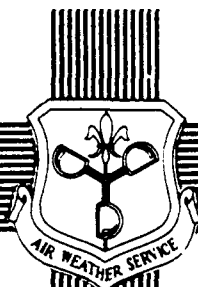


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SURFACE OBSERVATION CLIMATIC SUMMARIES

for

MACDILL AFB, FLORIDA

Prepared by

OL-A, USAFETAC
ASHEVILLE, NORTH CAROLINA
28801-2723



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13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
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PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCs (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCs NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SPCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCs." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.

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*** NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS ***

INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY DATA: AUG 80 - JUL 90 (AIRWAYS).

SUMMARY OF DAY DATA: MAY 41 - JUL 90 (FULL TIME).

HOURS SUMMARIZED: 0000 LST THROUGH 2300 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HC	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

STATION NO. ON SUMMARY 747880		STATION NAME MACDILL AFB, FLORIDA	LATITUDE N 27 51	LONGITUDE W 082 31	FLD ELEV (FT) 14	CALL SIGN MCF	WMO NMBR 74788		
STATION LOCATION AND INSTRUMENTATION HISTORY									
Nbr of Loc	GEOGRAPHICAL LOCATION & NAME	Type of Station	At This Location		LATITUDE	LONGITUDE	Elev Above MSL		OBS PER DAY
			From	To			FLD (FT)	BARO (FT)	
1	MacDill Field/Tampa FL	AAF	Mar 41	May 47	N 27 51	W 082 30	9	12	24
2	MacDill AFB FL	AFB	Jul 47	Feb 57	Same	Same	Same	Same	24
3	Same	Same	Mar 57	Aug 79	Same	Same	13	27	24
4	Same	Same	Sep 79	Jan 88	Same	W 082 31	14	12	24

Nbr of Loc	Date of Change	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIP- MENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Mar 41	N/A	Unkn	Unkn	----	
2	Sep 49	N/A	GMQ-1A	N/A	N/A	
3	Apr 53	Atop base hangar	GMQ-1	ML-144	77 ft	
4	Apr 54	Same	Same	ML-144B	65 ft	
5	Apr 55	Same	Selsyn	ML-144	75 ft	
6	Apr 58	Ctrpt E side of taxiway	GMQ-11	RO-2	13 ft	
7	Oct 65	1. 500' W of ctrlin and 1000' from end rnwy 04 2. 600' E ctrlin and 1000' from end rnwy 22	Same	Same	13 ft	
8	Apr 70	142: Same	Same	RO-362	Same	
9	Jan 75	Same	GMQ-20	Same	Same	
10	Jan 88	1. Same 2. Same	Same Same	Same	13 ft 12 ft	

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	AAAAAA
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	AAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPP	AA AA	RRRRRRRR	TT	AA AA
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	AAAAAAAAA
PP	AAAAAAAAA	RR RR	TT	AAAAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

A - 1 - 1

PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.1	4.2				4.2	18.8	.4			23.4	930
03-05	.2	4.8				4.8	24.8	.6			30.3	930
06-08	.2	4.9				4.9	31.4	1.8			38.2	930
09-11	.1	5.3				5.3	23.5	11.2			40.0	930
12-14	.3	5.5				5.5	8.6	8.0			22.0	930
15-17		4.5				4.5	4.7	4.8			14.1	930
18-20		4.0				4.0	6.3	3.3			13.7	930
21-23		4.1				4.1	12.0	1.3			17.4	930
ALL HOURS	.1	4.7				4.7	16.3	3.9			24.9	7440

MONTH: FEB

00-02	.4	5.2				5.2	11.8	.4			17.4	846
03-05	.5	6.5				6.5	18.4	.7			25.7	846
06-08	.7	5.6				5.6	27.5	3.4			36.5	846
09-11	.5	4.8				4.8	17.8	8.5			31.2	846
12-14	.7	5.6				5.6	4.5	5.3			15.4	846
15-17	.2	5.8				5.8	2.8	4.4			13.0	846
18-20	.5	6.0				6.0	2.4	2.4			10.8	846
21-23	.2	5.1				5.1	5.3	.9			11.3	846
ALL HOURS	.5	5.6				5.6	11.3	3.3			20.2	6768

A - 2 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR

HOURLS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	1.1	5.6				5.6	8.0	.1			13.7	930
03-05	.6	5.1				5.1	12.7	1.3			19.0	930
06-08	1.5	5.4				5.4	21.6	7.6			34.6	930
09-11	1.0	4.5				4.5	8.0	11.0			23.4	930
12-14	1.1	5.2				5.2	1.8	5.4			12.4	930
15-17	1.5	6.1				6.1	2.2	4.2			12.5	930
18-20	.8	5.6				5.6	2.2	3.7			11.4	930
21-23	1.1	6.1				6.1	4.0	.6			10.8	930
ALL HOURS	1.1	5.4				5.4	7.5	4.2			17.2	7440

MONTH: APR

00-02	.6	3.1				3.1	2.7	1.2			7.0	900
03-05	.2	3.1				3.1	10.3	2.8			16.2	900
06-08	.4	2.1				2.1	22.9	10.3			35.3	900
09-11	.8	2.7				2.7	3.2	9.4			15.3	900
12-14	.9	2.9				2.9	.6	5.1			8.6	900
15-17	.2	2.7				2.7	1.1	5.1			8.9	900
18-20	.2	3.1				3.1	1.2	4.7			9.0	900
21-23	.8	2.3				2.3	1.0	1.9			5.2	900
ALL HOURS	.5	2.8				2.8	5.4	5.1			13.2	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY

HOURS (LST)	TSMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.4	1.6				1.6	1.6	1.6			4.8	930
03-05	.1	1.5				1.5	3.9	2.7			8.1	930
06-08	.9	1.4				1.4	10.1	13.1			24.6	930
09-11	.2	1.3				1.3	1.0	9.1			11.4	930
12-14	1.0	1.9				1.9	.2	5.2			7.3	930
15-17	2.2	1.8				1.8	.2	6.1			8.2	930
18-20	2.5	3.3				3.3	.3	4.8			8.5	930
21-23	1.1	2.2				2.2	.6	1.1			3.9	930
ALL HOURS	1.0	1.9				1.9	2.2	5.5			9.6	7440

MONTH: JUN

00-02	1.4	3.6				3.6	1.9	1.4			6.9	900
03-05	1.1	2.6				2.6	2.8	2.4			7.8	900
06-08	1.2	3.1				3.1	7.0	13.2			23.3	900
09-11	2.8	3.8				3.8	1.6	9.2			14.6	900
12-14	3.9	4.3				4.3		7.9			12.2	900
15-17	9.8	8.3				8.3	.1	5.8			14.2	900
18-20	11.2	12.8				12.8	.8	4.1			17.7	900
21-23	4.0	8.0				8.0	.4	2.3			10.8	900
ALL HOURS	4.4	5.8				5.8	1.8	5.8			13.4	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL

HOURS (LST)	TSIMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.8	.8				.8	.5	2.8			4.1	930
03-05	1.7	1.0				1.0	2.0	3.0			6.0	930
06-08	1.0	1.7				1.7	5.4	8.9			16.0	930
09-11	2.0	3.1				3.1	.4	8.2			11.7	930
12-14	9.2	6.6				6.6	.3	7.4			14.3	930
15-17	17.2	13.7				13.7	.3	5.7			19.7	930
18-20	13.8	15.5				15.5	.3	5.1			20.9	928
21-23	2.2	5.4				5.4	.3	2.8			8.5	927
ALL HOURS	6.0	6.0				6.0	1.2	5.5			12.7	7435

MONTH: AUG

00-02	1.0	1.7				1.7	2.4	1.5			5.6	930
03-05	1.6	3.3				3.3	5.3	3.3			11.9	930
06-08	1.7	4.0				4.0	7.4	11.9			23.3	930
09-11	3.7	4.7				4.7	1.0	8.7			14.4	930
12-14	5.6	6.7				6.7		4.5			11.2	930
15-17	12.9	13.2				13.2	.1	3.3			16.7	930
18-20	13.0	15.4				15.4	.8	2.5			18.6	930
21-23	3.8	8.1				8.1	1.6	2.0			11.7	930
ALL HOURS	5.4	7.1				7.1	2.3	4.7			14.2	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP

HOURS (LST)	TSMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.4	3.0				3.0	1.4	1.6			6.0	900
03-05	.2	3.4				3.4	6.9	3.2			13.6	900
06-08	.9	4.2				4.2	16.4	11.1			31.8	900
09-11	1.4	5.8				5.8	2.9	10.8			19.4	900
12-14	4.8	7.6				7.6	1.2	7.6			16.3	900
15-17	7.3	11.1				11.1	.3	6.4			17.9	900
18-20	8.0	13.4				13.4	.8	4.2			18.4	900
21-23	1.9	6.0				6.0	.9	1.6			8.4	900
ALL HOURS	3.1	6.8				6.8	3.9	5.8			16.5	7200

MONTH: OCT

00-02	.4	1.9				1.9	2.7	1.6			6.2	930
03-05	.2	1.5				1.5	9.0	2.8			13.3	930
06-08	.5	2.3				2.3	17.8	9.2		.1	29.5	930
09-11	1.0	3.1				3.1	6.0	9.5			18.6	930
12-14	.6	3.7				3.7	.6	5.4			9.7	930
15-17	1.0	4.1				4.1	.5	3.9			8.5	930
18-20	2.0	5.5				5.5	.9	2.3		.2	8.8	930
21-23	.8	3.1				3.1	1.4	1.3		.1	5.9	930
ALL HOURS	.8	3.1				3.1	4.9	4.5		.1	12.6	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV

HOURLS (LST)	TSIMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.2	3.4				3.4	6.0	.7			10.1	900
03-05	.3	4.3				4.3	13.7	.7			18.7	900
06-08	.1	3.1				3.1	24.3	3.8			31.2	900
09-11	.2	4.2				4.2	11.9	8.2			24.3	900
12-14	.3	4.4				4.4	2.6	5.0			12.0	900
15-17	.1	5.9				5.9	2.1	3.2			11.2	900
18-20	.2	5.4				5.4	2.4	2.1			10.0	900
21-23		4.3				4.3	2.4	.3			7.1	900
ALL HOURLS	.2	4.4				4.4	8.2	3.0			15.6	7200

MONTH: DEC

00-02	.2	2.4				2.4	12.5	.8			15.6	930
03-05	.2	3.0				3.0	17.2	.4			20.6	930
06-08		2.5				2.5	28.2	2.3			32.9	930
09-11	.1	3.2				3.2	18.5	8.1			29.8	930
12-14	.8	3.7				3.7	4.8	5.5			14.0	930
15-17	.8	4.7		.1		4.8	4.4	2.7			11.9	930
18-20	.2	4.2		.1		4.3	4.6	1.8			10.8	930
21-23	.1	3.3				3.3	9.1	.9			13.3	930
ALL HOURLS	.3	3.4		.0		3.4	12.4	2.8			18.6	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
HOURS: ALL

MONTH	TSIMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.1	4.7				4.7	16.3	3.9			24.9	7440
FEB	.5	5.6				5.6	11.3	3.3			20.2	6768
MAR	1.1	5.4				5.4	7.5	4.2			17.2	7440
APR	.5	2.8				2.8	5.4	5.1			13.2	7200
MAY	1.0	1.9				1.9	2.2	5.5			9.6	7440
JUN	4.4	5.8				5.8	1.8	5.8			13.4	7200
JUL	6.0	6.0				6.0	1.2	5.5			12.7	7435
AUG	5.4	7.1				7.1	2.3	4.7			14.2	7440
SEP	5.1	6.8				6.8	3.9	5.8			16.5	7200
OCT	.8	3.1				3.1	4.9	4.5		.1	12.6	7440
NOV	.2	4.4				4.4	8.2	3.0			15.6	7200
DEC	.3	3.4		.0		3.4	12.4	2.8			18.6	7440
ANNUAL	2.0	4.7		.0		4.7	6.4	4.5		.0	15.7	87643

OPERATING LOCATION 'A'
USAFETAC, ASEEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4106-9007
MONTH: ALL HOURS: ALL

MONTH	TSIMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	3.2	27.7		.2		27.9	44.4	37.9			65.4	1418
FEB	6.1	31.4		.1	.2	31.4	38.1	33.4			63.5	1289
MAR	8.2	28.5			.1	28.5	34.1	31.5			59.0	1408
APR	9.6	24.2			.1	24.3	24.6	27.2			50.7	1370
MAY	16.9	28.6			.1	28.6	17.0	33.1			55.0	1413
JUN	43.3	50.7			.4	50.7	12.6	27.2		.1	65.6	1368
JUL	62.8	62.7			.1	62.7	7.8	18.6			70.3	1406
AUG	60.5	64.3			.1	64.3	10.6	21.9			73.8	1422
SEP	36.5	54.5				54.5	18.5	32.0			73.4	1358
OCT	8.8	30.3			.1	30.3	23.8	30.5			56.1	1392
NOV	3.7	25.7				25.7	34.1	31.9			59.3	1340
DEC	3.7	28.1		.1		28.1	38.8	31.7			61.0	1393
ANNUAL	22.1	38.1		.0	.1	38.2	25.3	29.7		.0	62.8	16577

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90

..... HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02	.1	.4	1.1	.6	.4	1.4	.8	1.0	.4	.4	.2	.2	
03-05	.2	.5	.6	.2	.1	1.1	1.7	1.6	.2	.2	.3	.2	
06-08	.2	.7	1.5	.4	.9	1.2	1.0	1.7	.9	.5	.1		
09-11	.1	.5	1.0	.8	.2	2.8	2.0	3.7	1.4	1.0	.2	.1	
12-14	.3	.7	1.1	.9	1.0	3.9	9.2	5.6	4.8	.6	.3	.8	
15-17		.2	1.5	.2	2.2	9.8	17.2	12.9	7.3	1.0	.1	.8	
18-20		.5	.8	.2	2.5	11.2	13.8	13.0	8.0	2.0	.2	.2	
21-23		.2	1.1	.8	1.1	4.0	2.2	3.8	1.9	.8		.1	
ALL HOURS	.1	.5	1.1	.5	1.0	4.4	6.0	5.4	3.1	.8	.2	.3	
TOTAL OBS	7440	6768	7440	7200	7440	7200	7435	7440	7200	7440	7200	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	271 - 360	001 - 090	091 - 180	181 - 270	NO OF OBS
TSTMS			22.2	11.1		66.7	9
LIQUID PRECIP	6.2		26.3	37.2	12.7	17.7	339
FREEZING PRECIP							
FROZEN PRECIP							
FOG	18.5		14.4	37.2	15.2	14.7	1210
FOG WITH VIS GE 1/2 MILES	16.1		16.1	40.4	13.7	13.5	997
TOTAL OBS	686	0	2199	2507	961	1087	0 7440

MONTH: FEB HOURS: ALL

TSTMS			19.4	12.9	45.2	22.6	31
LIQUID PRECIP	4.9		20.1	37.9	15.5	21.6	348
FREEZING PRECIP							
FROZEN PRECIP							
FOG	14.7		13.9	39.5	18.5	13.5	764
FOG WITH VIS GE 1/2 MILES	13.4		13.4	42.7	18.0	12.6	689
TOTAL OBS	464	0	1834	2191	1131	1148	0 6768

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	271 - 360	001 - 090	091 - 180	181 - 270	NO OF OBS
TSIMS	1.3		15.0	28.8	28.8	26.3	80
LIQUID PRECIP	2.1		16.2	40.2	21.0	20.4	333
FREEZING PRECIP							
FROZEN PRECIP							
FOG	15.6		8.8	36.7	23.5	15.4	558
FOG WITH VIS GE 1/2 MILES	15.0		9.0	38.5	22.9	14.6	512
TOTAL OBS	324	0	2020	2241	1419	1436	0 7440

MONTH: APR HOURS: ALL

TSIMS			21.6	24.3	18.9	35.1	37
LIQUID PRECIP	7.6		20.0	32.9	17.6	21.8	170
FREEZING PRECIP							
FROZEN PRECIP							
FOG	10.8		8.9	43.8	17.0	19.5	370
FOG WITH VIS GE 1/2 MILES	10.9		9.0	44.0	16.6	19.6	368
TOTAL OBS	345	0	2135	2027	1131	1562	0 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	271 - 360	001 - 090	091 - 180	181 - 270	NO OF OBS
TSPMS			26.0	33.8	26.0	14.3	77
LIQUID PRECIP	3.3		15.6	25.6	37.8	17.8	90
FREEZING PRECIP							
FROZEN PRECIP							
FOG	7.5		4.3	62.7	18.0	7.5	161
FOG WITH VIS GE 1/2 MILES	7.5		4.3	62.7	18.0	7.5	161
TOTAL OBS	305	0	1661	2272	1698	1504	7440

MONTH: JUN HOURS: ALL

TSPMS	2.8		23.2	21.9	22.9	29.2	319
LIQUID PRECIP	8.7		12.3	33.6	28.1	17.4	253
FREEZING PRECIP							
FROZEN PRECIP							
FOG	23.6		7.9	41.7	16.5	10.2	127
FOG WITH VIS GE 1/2 MILES	23.6		7.9	41.7	16.5	10.2	127
TOTAL OBS	582	0	1221	1702	1901	1794	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	271 - 360	001 - 090	091 - 180	181 - 270	NO OF OBS
TSDMS	5.2		23.4	22.7	25.8	22.9	445
LIQUID PRECIP	12.7		11.0	28.7	25.7	21.9	237
FREEZING PRECIP							
FROZEN PRECIP							
FOG	17.0		4.5	62.5	12.5	3.4	88
FOG WITH VIS GE 1/2 MILES	17.0		4.5	62.5	12.5	3.4	88
TOTAL OBS	743	0	1084	1790	2245	1573	0 7435

MONTH: AUG HOURS: ALL

TSDMS	3.7		26.1	23.4	25.1	21.6	402
LIQUID PRECIP	9.7		10.0	28.0	32.0	20.3	300
FREEZING PRECIP							
FROZEN PRECIP							
FOG	14.7		3.5	53.5	20.0	8.2	170
FOG WITH VIS GE 1/2 MILES	14.7		3.5	53.5	20.0	8.2	170
TOTAL OBS	691	0	1159	2185	1985	1430	0 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	271 - 360	001 - 090	091 - 180	181 - 270	NO OF OBS
TSIMS	3.6		24.4	25.8	18.2	28.0	225
LIQUID PRECIP	4.1		11.3	29.2	31.4	24.0	363
FREEZING PRECIP							
FROZEN PRECIP							
FOG	13.7		3.0	66.3	10.4	6.7	270
FOG WITH VIS GE 1/2 MILES	13.7		3.0	66.3	10.4	6.7	270
TOTAL OBS	511	0	962	3490	1403	834	0 7200

MONTH: OCT HOURS: ALL

TSIMS	1.6		14.8	42.6	21.3	19.7	61
LIQUID PRECIP	7.8		20.8	55.7	8.9	6.8	192
FREEZING PRECIP							
FROZEN PRECIP							
FOG	15.6		9.2	64.8	8.1	2.3	347
FOG WITH VIS GE 1/2 MILES	15.6		9.4	65.0	7.6	2.4	340
TOTAL OBS	416	0	1314	4298	823	589	0 7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	271 - 360	001 - 090	091 - 180	181 - 270	NO OF OBS
TSTMS			21.4	35.7	7.1	35.7	14
LIQUID PRECIP	4.2		23.5	39.2	21.2	11.8	306
FREEZING PRECIP							
FROZEN PRECIP							
FOG	12.0		9.7	63.9	12.6	1.7	585
FOG WITH VIS GE 1/2 MILES	10.0		9.9	65.8	12.5	1.9	538
TOTAL OBS	430	0	1366	3539	1134	731	0 7200

MONTH: DEC HOURS: ALL

TSTMS			18.2	4.5	13.6	63.6	22
LIQUID PRECIP	2.6		27.4	37.4	15.2	17.4	230
FREEZING PRECIP							
FROZEN PRECIP			100.0				2
FOG	13.4		9.8	46.1	17.6	13.1	919
FOG WITH VIS GE 1/2 MILES	12.8		10.3	47.6	17.1	12.1	825
TOTAL OBS	562	0	1588	3208	1216	866	0 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	271 - 360	001 - 090	091 - 180	181 - 270	NO OF OBS
TSMS	3.3		23.3	24.3	23.9	25.2	1722
LIQUID PRECIP	6.0		17.8	35.7	21.8	18.6	3161
FREEZING PRECIP							
FROZEN PRECIP			100.0				2
POG	14.9		10.3	47.1	16.3	11.4	5569
POG WITH VIS GE 1/2 MILES	13.8		10.6	49.2	15.7	10.8	5085
TOTAL OBS	6049	0	18543	31450	17047	14554	0 87643

A - 5 - 7

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	BBBBBBBBBB
PPPPPPPPPP	AAAAAAAAA	RRRRRRRRRR	TTTTTTTTTTT	BBBBBBBBBBB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPPPP	AA AA	RRRRRRRRR	TT	BBBBBBBBBBB
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	BBBBBBBBBB
PP	AAAAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BBBBBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBBBB

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PART B

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN PER.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE	NAVY AND NATIONAL WEATHER SERVICE
THROUGH 1945: 0800 LST	THROUGH JUN 1952: 0030 GMT
JAN 1946 TO MAY 1957: 1230 LST	JUN 1952 TO MAY 1957: 1230 GMT
JUN 1957 TO PRESENT: 1200 GMT	JUN 1957 TO PRESENT: 1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4106-9007
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	70.8	67.5	69.1	75.0	69.8	46.3	34.4	33.1	42.6	69.0	72.8	70.8	60.0
TRACE	8.8	9.6	9.3	9.3	11.5	15.2	15.4	16.4	16.3	11.9	10.3	10.3	12.0
.01	2.0	1.4	1.5	1.0	1.2	1.9	2.8	3.4	2.7	1.1	1.4	2.5	1.9
.02-.05	3.8	3.4	3.4	3.8	3.3	6.7	8.5	7.1	7.2	3.7	3.4	3.1	4.8
.06-.10	2.2	3.4	1.8	2.0	2.4	4.0	6.1	5.1	4.2	2.8	2.2	2.7	3.3
.11-.25	4.1	4.0	3.6	3.1	3.0	7.1	9.8	9.8	7.8	3.6	3.3	3.4	5.2
.26-.50	3.4	4.0	4.3	2.4	3.0	7.0	9.4	8.6	6.9	3.1	2.8	2.4	4.8
.51-1.00	3.0	3.8	3.6	1.8	3.2	5.9	6.8	8.1	6.1	2.8	2.5	3.0	4.2
1.01-2.50	1.7	2.8	3.2	1.4	2.3	5.3	5.8	7.5	4.8	1.7	1.3	1.7	3.3
2.51-5.00	.2	.1	.3	.1	.1	.3	.8	.8	1.2	.3	.1	.3	.4
5.01-10.00					.1	.1	.1	.1	.1		.1		.0
10.01-20.00						.1							.0
OVER 20.00													
DAYS WITH MEAS AMTS	20.4	22.9	21.6	15.7	18.7	38.5	50.2	50.5	41.1	19.1	17.0	19.0	27.9
TOTAL NO. OF OBSERVATIONS	1519	1383	1517	1469	1519	1498	1519	1516	1468	1517	1468	1518	17911

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4106-9007
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41						6.10	5.22	2.00	8.03	.97	4.08	4.46	30.86*
42	3.14	2.54	5.23	2.20	2.36	6.91	3.78	4.59	3.47	TRACE	.15	2.06	36.43
43	.11	.69	5.09	.82	1.26	16.68	11.52	4.96	3.39	1.01	.72	.09	46.34
44	1.80	.35	3.69	.90	1.88	3.22	4.14	2.78	2.13	7.11	.83	.42	29.25
45	3.63	.12	.34	.57	.21	12.10	9.71	12.54	4.67	3.31	.43	2.85	50.48
46	2.78	5.30	1.42	.28	3.62	11.37	13.85	7.59	3.05	2.08	.19	.20	51.73
47	1.40	3.55	4.86	1.33	1.41	4.76		11.19	10.42	2.28	1.86	1.61	44.67*
48	10.97	.38	3.92	4.12	.18	3.95	16.91	7.03	4.56	1.35	2.23	.99	56.59
49	.07	.35	.41	1.39	1.12	2.06	1.93	18.09	8.08	1.54	.92	.11	36.07
50	TRACE	.40	4.09	1.69	1.24	3.81	11.00	7.30	9.60	1.65	.44	4.95	46.17
51	.16	1.41	2.05	4.52	.33	1.03	5.93	4.48	11.77	1.70	3.16	1.20	37.74
52	.70	4.39	5.51	.68	2.19	2.43	4.47	1.23	4.65	6.67	1.85	.53	35.30
53	2.19	1.89	3.49	2.78	TRACE	6.97	2.88	3.64	10.43	1.59	4.90	4.36	45.12
54	1.60	1.54	1.45	1.75	3.25	3.38	7.11	5.90	3.89	2.18	2.29	1.99	36.33
55	2.07	1.10	1.42	.82	2.10	4.34	6.26	5.39	8.73	4.75	2.70	.49	40.17
56	.24	1.49	.05	1.79	1.62	1.64	6.98	7.35	4.57	4.73	.47	.27	31.20
57	.92	3.47	4.11	5.21	7.13	6.09	8.14	9.97	7.41	3.70	1.80	1.71	59.66
58	6.39	4.42	4.80	4.28	1.50	6.68	5.09	7.35	1.35	3.39	.95	2.97	49.17
59	3.06	2.30	8.14	2.34	6.74	5.42	6.95	8.28	5.43	4.93	2.21	7.17	62.97
60	1.01	3.67	3.45	.90	.61	2.10	19.00	2.91	6.47	1.56	TRACE	.93	42.61
61	2.83	1.75	3.28	1.11	1.77	1.01	5.58	8.98	3.53	.16	.19	3.86	34.05
62	1.43	2.07	4.75	2.63	3.05	5.73	3.58	11.44	10.78	.99	1.93	.76	49.14
63	2.53	8.52	1.92	.27	3.23	3.83	9.25	5.54	3.30	.10	6.79	2.61	47.89
64	7.23	6.34	4.92	.56	3.49	2.87	6.85	6.12	2.48	3.25	.12	1.65	45.88
65	2.46	3.11	1.07	2.85	.47	9.06	15.55	4.59	8.08	1.55	.90	2.60	52.29
66	4.51	3.08	2.20	1.74	.95	5.23	6.05	4.85	5.83	1.89	.59	.79	37.71
67	1.42	3.60	.76	.00	1.46	5.88	6.33	11.44	3.53	2.91	.21	1.82	39.36
68	.60	2.47	1.19	.63	6.19	11.07	9.84	5.15	7.59	4.07	3.26	.57	52.63
69	3.25	2.19	5.40	.41	6.06	4.00	5.14	12.18	2.65	6.51	1.35	5.84	54.98
70	2.96	3.65	6.97	.42	4.61	4.95	3.99	8.91	2.57	1.51	.53	1.19	42.26
71	.56	5.00	.97	.91	2.86	1.78	6.16	8.62	10.27	4.96	1.84	1.03	44.96
72	.93	5.56	2.28	.45	2.00	4.35	1.80	7.64	2.94	1.80	4.25	2.86	36.86
73	5.93	2.20	3.43	4.32	.81	1.99	9.59	7.65	7.02	.35	1.40	7.15	51.84
74	.72	.77	2.07	.63	1.47	17.23	5.16	9.22	5.82	.12	.13	3.39	46.73
75	1.45	2.45	1.49	.37	3.54	8.22	8.76	6.34	3.91	4.79	.46	.92	42.70

B - 2 - 2A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4106-9007
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	.34	.32	2.11	2.72	7.12	5.56	4.33	5.34	2.95	.66	2.46	1.32	35.23
77	2.31	2.62	.47	.37	2.24	4.40	8.61	4.69	5.27	.61	1.68	3.37	36.64
78	2.68	5.16	2.66	.43	3.78	3.52	5.61	9.82	.76	.31	.03	3.19	37.95
79	5.52	1.29	3.05	.49	11.24	1.53	4.68	14.08	14.40	.30	1.24	2.09	59.91
80	2.90	1.94	2.06	4.88	4.51	5.04	9.11	8.24	4.46	.98	3.40	.47	47.99
81	.69	3.81	1.00	.04	1.59	7.40	4.02	17.30	4.84	.47	.71	4.51	46.38
82	2.13	1.64	5.91	2.71	3.78	6.00	6.13	9.64	7.28	2.70	1.36	.74	50.02
83	1.98	8.73	8.42	1.63	2.30	6.45	5.65	7.53	10.67	3.76	2.93	7.57	67.62
84	1.66	3.35	2.47	1.83	1.75	4.39	5.40	7.54	3.61	.52	4.13	.09	36.74
85	1.75	1.76	2.19	.80	.23	9.34	5.11	11.99	7.37	6.53	1.28	.58	48.93
86	2.31	2.69	5.08	1.22	1.54	4.35	4.93	8.83	1.91	11.15	.82	3.21	48.04
87	3.39	3.64	14.38	.23	2.82	5.40	5.57	6.56	6.34	1.40	5.99	.25	55.97
88	3.67	1.50	5.00	1.59	1.45	5.23	3.21	13.46	17.31	.29	7.00	.73	60.44
89	2.05	.13	1.89	.61	1.88	9.17	9.31	6.00	7.24	2.08	2.75	4.62	47.73
90	.31	6.10	1.32	1.57	1.48	8.79	7.92						27.49*
.....													
LEAST	TRACE	.12	.05	.00	TRACE	1.01	1.80	1.23	.76	TRACE	TRACE	.09	29.25
GREATEST	10.97	8.73	14.38	5.21	11.24	17.23	19.00	18.09	17.31	11.15	7.00	7.57	67.62
MEAN	2.34	2.79	3.35	1.57	2.62	5.70	7.02	7.84	6.06	2.51	1.87	2.23	45.79
MEDIAN	2.05	2.45	2.66	1.11	1.88	5.14	6.05	7.53	5.27	1.70	1.36	1.65	46.34
SD	2.084	2.030	2.585	1.373	2.216	3.523	3.626	3.605	3.479	2.314	1.747	1.986	8.842
.....													
TOTAL OBS	1519	1383	1517	1469	1519	1498	1519	1516	1468	1517	1468	1518	17911
.....													

THE GREATEST VALUE OF 19.00 OCCURRED ON 07/60

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4106-9007
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41						1.83	.90	.86	2.20	.42	2.04	2.47	2.47*
42	1.63	1.19	1.94	2.02	.78	1.08	.79	1.21	.91	TRACE	.12	1.00	2.02
43	.05	.29	2.40	.63	.84	2.23	2.22	1.19	1.03	.56	.58	.09	2.40
44	.64	.13	1.17	.64	.84	1.04	1.03	.65	.69	4.90	.83	.37	4.90
45	2.21	.07	.34	.35	.18	8.70	2.11	3.06	2.24	1.78	.28	1.29	8.70
46	1.08	2.01	1.05	.27	1.31	2.42	3.29	2.44	.74	1.06	.10	.20	3.29
47	.56	1.41	1.37	.33	1.06	1.35		2.65	3.18	.71	.85	.61	3.18*
48	2.74	.34	1.36	1.83	.16	1.70	3.10	1.81	.93	.72	1.02	.58	3.10
49	.05	.14	.23	.85	.52	.44	.70	4.17	4.26	.77	.53	.07	4.26
50	TRACE	.28	1.16	.83	.72	1.07	1.88	1.56	3.80	.57	.19	1.62	3.80
51	.08	.69	1.02	2.99	.19	.50	1.83	1.32	3.80	1.62	2.16	.40	3.80
52	.49	1.53	1.69	.33	1.08	1.47	.71	.38	1.12	1.83	1.49	.31	1.83
53	1.70	.85	1.97	1.32	TRACE	2.22	1.41	.97	2.56	.63	2.90	1.67	2.90
54	.84	.87	.87	.80	.76	1.22	1.52	1.76	.80	2.02	1.78	.72	2.02
55	.77	.84	.69	.58	1.37	1.30	1.13	2.60	1.81	3.70	1.09	.17	3.70
56	.13	.90	.05	1.18	1.26	.48	2.52	2.31	1.01	2.27	.31	.20	2.52
57	.88	2.05	1.71	2.22	1.75	2.02	3.83	2.05	1.53	2.64	.73	1.15	3.83
58	1.72	3.50	.96	1.22	.75	2.13	1.45	1.44	.46	.90	.30	.92	3.50
59	1.65	1.17	2.36	1.11	1.58	2.91	2.25	1.61	1.10	.90	.68	3.19	3.19
60	.45	1.11	.89	.26	.39	.53	7.29	.70	3.35	.81	TRACE	.38	7.29
61	1.12	.78	2.61	.44	.79	.35	2.43	1.93	1.61	.10	.11	2.20	2.61
62	.55	1.57	1.42	1.38	1.39	1.79	.89	2.87	6.03	.55	.84	.42	6.03
63	.89	2.36	.78	.26	1.29	.87	2.06	1.05	.96	.10	5.06	1.35	5.06
64	4.30	1.35	2.72	.51	1.75	.69	1.27	1.54	1.20	2.44	.12	1.01	4.30
65	.92	1.45	.37	1.33	.35	1.72	5.15	1.72	1.46	.54	.75	1.10	5.15
66	1.13	.81	1.44	1.45	.41	1.47	2.27	.74	1.26	.92	.33	.25	2.27
67	.56	1.41	.33	.00	.76	1.34	1.52	3.67	1.39	1.94	.20	1.20	3.67
68	.34	1.09	.51	.53	1.54	2.30	2.79	1.53	2.87	1.94	1.89	.37	2.87
69	2.26	1.33	2.18	.41	1.97	.93	1.04	1.97	1.28	2.03	.88	3.09	3.09
70	1.40	1.74	1.67	.24	2.24	2.32	1.15	2.49	.84	.64	.30	.76	2.49
71	.25	2.46	.30	.49	2.75	.48	1.68	2.18	2.57	2.32	.94	.86	2.75
72	.49	2.74	1.23	.45	.52	3.15	.80	2.12	2.61	1.51	1.27	2.56	3.15
73	1.89	.79	1.66	1.25	.39	.86	2.41	3.15	2.18	.17	.96	2.02	3.15
74	.24	.27	.78	.30	.71	10.74	1.48	1.29	2.66	.11	.07	1.47	10.74
75	.39	.97	.63	.22	1.19	1.69	1.85	1.64	1.24	3.07	.30	.51	3.07

B - 2 - 3A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4106-9007
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	.15	.22	1.76	1.28	4.17	1.71	1.17	.78	1.38	.58	1.69	.31	4.17
77	.87	.80	.27	.21	1.08	1.80	3.09	1.16	1.32	.30	.81	.57	3.09
78	.87	1.62	1.08	.36	1.29	.99	1.77	1.88	.18	.12	.03	1.25	1.88
79	2.27	.82	1.71	.25	7.40	.78	1.40	2.85	4.32	.13	.56	1.24	7.40
80	1.07	1.35	1.18	2.07	1.23	2.17	2.84	1.58	1.38	.45	1.21	.32	2.84
81	.36	1.86	.58	.03	1.48	1.57	1.40	6.80	2.46	.20	.24	1.60	6.80
82	.73	.99	2.14	.84	1.55	2.19	1.99	2.35	1.44	1.11	1.19	.57	2.35
83	1.02	1.62	2.49	.95	2.01	2.34	2.55	1.38	2.02	1.44	1.20	1.82	2.55
84	1.07	1.17	1.30	1.05	1.06	1.80	1.05	3.04	1.40	.42	2.48	.08	3.04
85	.72	.94	1.91	.42	.11	2.88	1.18	2.17	3.66	2.30	.77	.27	3.66
86	1.07	1.72	2.54	1.04	.71	1.14	.90	2.07	.53	4.61	.58	1.33	4.61
87	.87	1.20	3.12	.18	1.25	1.99	1.42	1.80	3.38	1.34	1.79	.25	3.38
88	1.37	.61	1.60	1.07	1.04	3.92	.95	3.58	4.14	.15	2.23	.72	4.14
89	1.17	.13	.94	.18	1.12	3.56	4.05	1.45	1.36	1.25	.82	2.13	4.05
90	.27	2.33	.90	1.01	1.29	1.76	1.47						2.33*
GREATEST	4.30	3.50	3.12	2.99	7.40	10.74	7.29	6.80	6.03	4.90	5.06	3.19	10.74
TOTAL OBS	1519	1383	1517	1469	1519	1498	1519	1516	1468	1517	1468	1518	17911

THE GREATEST VALUE OF 10.74 OCCURRED ON 06/26/74

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 2 - 3B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4601-9007
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0
TRACE	.2	.1										.1	.0
0.1-0.4													
0.5-1.4													
1.5-2.4													
2.5-3.4													
3.5-4.4													
4.5-6.4													
6.5-10.4													
10.5-15.4													
15.5-25.4													
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS													
TOTAL NO. OF OBSERVATIONS	1395	1270	1395	1350	1395	1349	1364	1364	1320	1364	1320	1364	16250

B - 3 - 1

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4601-9007
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4601-9007
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
83	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
89	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*
.....													
LEAST	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
GREATEST	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
MEAN	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
MEDIAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
.....													
TOTAL OBS	1395	1270	1395	1350	1395	1349	1364	1364	1320	1364	1320	1364	16250
.....													

THE GREATEST VALUE OF TRACE OCCURRED ON 02/51

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4601-9007
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4601-9007
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
83	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
89	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*

GREATEST	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
TOTAL OBS	1395	1270	1395	1350	1395	1349	1364	1364	1320	1364	1320	1364	16250

THE GREATEST VALUE OF TRACE OCCURRED ON 02/02/51

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 3 - 3B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4106-9007
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TRACE													
1													
2													
3													
4-6													
7-12													
13-24													
25-36													
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS													
TOTAL NO. OF OBSERVATIONS	1519	1383	1519	1470	1519	1499	1519	1519	1470	1519	1470	1519	17925

OPERATING LOCATION 'A'
USAFETAC, ASEEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4106-9007
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41						0	0	0	0	0	0	0	0*
42	0	0	0	0	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0	0	0	0	0*
48	0	0	0	0	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0

B - 4 - 2A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4106-9007
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0	0	0	0	0
79	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0
81	0	0	0	0	0	0	0	0	0	0	0	0	0
82	0	0	0	0	0	0	0	0	0	0	0	0	0
83	0	0	0	0	0	0	0	0	0	0	0	0	0
84	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0
86	0	0	0	0	0	0	0	0	0	0	0	0	0
87	0	0	0	0	0	0	0	0	0	0	0	0	0
88	0	0	0	0	0	0	0	0	0	0	0	0	0
89	0	0	0	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0	0	0	0*

GREATEST	0	0	0	0	0	0	0	0	0	0	0	0	0*
TOTAL OBS	1519	1383	1519	1470	1519	1499	1519	1519	1470	1519	1470	1519	17925

THE GREATEST VALUE OF 0 OCCURRED ON 06/01/41

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL

PERIOD OF RECORD: 4901-5206

SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
50 - 51	FEB 02			FEB 02		

MEDIAN-DATE

FEB 02

FEB 02

B - 5 - 1

PPPPPPP	AAAAA	RRRRRRR	TTTTTTTT	CCCCC
PPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	CCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPP	AA AA	RRRRRRRR	TT	CC
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	CC
PP	AAAAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCC
PP	AA AA	RR RR	TT	CCCCC

C - 1 - 1

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS)
THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET.
IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED:
WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4602-5009,5112-9007
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
46		W *42	W *36	S 32	*	*	*	*	ENE*33	ENE*25	*	*	W *42
47	N *28	NE *40	NNW*37	SW *30	SSE*39	SSW 36		SSE 40	ENE 60	NNE 30	SW 28	SW 35	ENE*60
48	NNW 35	SW 31	SW 35	SW *31	SW *28	SE *45	S *45	S *37	NNE*36	NE *30	*	W *34	SE *45
49	*	*	NNW*30	W 46	NE 30	NE 27	SE 35	NW 53	ESE 33	ESE 27	NNW 29	NE 26	NW *53
50	ENE 27	ENE 27	SW 33	NNW 30	ENE 33	NE 33	SE 42	SE 40	SW *48				SW *48
51												SW *21	SW *21
52	NNW*38	WNW 43	S 36	WSW 45	SSW 33	ENE*34	SE *50	WSW 37	E 32	NNE 54	NW 32	SW 38	NNE*54
53	NNW 36	WSW 49	N 46	SSW 49	NE 32	SSE 44	SSW 32	SE 43	SSW*40	NE 53	N 36	N 43	NE *53
54	NNW 43	NW 60	NW 46	S 45	S 44	NNE 26	NNW 36	NNW 40	SE 42	N 36	NNW 36	NE 32	NW 60
55	NNW 39	NW 41	NW 41	SSE 33	NNE 31	SW 32	S 39	SSW 50	NE 44	SW 38	S 45	N 39	SSW 50
56	NW *44	S 38	NW 39	SSW 48	SSE 35	SSE 37	SSW 44	S 35	SW 36	SW 35	SW 22	NW 30	SSW*48
57	NW 24	NNW 22	SW 45	N 26	ENE 25	S 31	WSW 23	E 25	ENE 25	ENE 18	WNW 24	NW 30	SW 45
58	SSE 32	WNW 30	WNW 26	NW 38	NW 30	E 25	NE 20	SSE 45	SE 25	NNE 22	N 18	S 20	SSE 45
59	S 36	SSW 26	NW 30	N 26	S 27	S 36	ESE 36	SE 26	E 28	W 24	SSE 37	NW 24	SSE 37
60	W 20	W 30	S 37	SSW 32	W 22	ENE 24	SSW 43	E 40	NW 75	SW 25	NE 20	WNW 31	NW 75
61	NNW 33	W 42	NW 34	SW 36	WSW 25	SE 28	SE 32	SSW*28	N *36	NE *27	WSW*31	NW *28	W *42
62	WSW 30	NNW 25	N 36	SSW 23	NE 28	WSW 27	S 19	ENE 24	SE 29	SSE 25	NW 28	NW 37	NW 37
63	W 32	S 65	WSW 45	W 30	E 26	E 38	NE 58	E 33	SSW 41	ENE 28	NNW 32	E 33	S 65
64	NW 34	S 30	W 26	N 25	WSW 28	S 48	SE 25	NW 30	SW 35	SE 26	NNW 26	NNE 24	S 48
65	WNW 30	E 36	W 32	SE 29	ENE 24	SSE 41	SSE 35	SSW 28	NE 45	ENE*30	NW 33	W 27	NE *45
66	NNW 36	SW 42	W 30	W 37	SSW 28	E 54	SSE 25	SSW 26	WNW 30	E 27	NW 33	NW 29	E 54
67	NW 30	SSW 37	NE 29	SSE 32	SW 28	S 34	W 36	SE 36	NE 29	S 26	NNE 21	NNW 36	SSW 37
68	SSW 26	WNW 38	S 32	WNW 25	S 32	E 37	14/ 36	13/ 36	09/ 36	18/ 47	20/ 46	30/ 35	18/ 47
69	13/ 23	27/ 40	18/ 35	07/ 28	08/*42	14/ 37	10/ 40	19/ 40	12/ 32	11/ 31	33/ 39	32/ 37	08/*42
70	26/ 32	23/ 38	24/ 32	14/ 31	10/ 33	25/ 45	22/ 34	14/ 32	03/ 34	04/ 24	33/ 25	19/ 27	25/ 45
71	01/ 27	21/ 43	29/ 40	21/ 34	23/ 30	16/ 34	19/ 42	05/ 44	07/ 73	21/ 30	05/ 25	05/ 33	07/ 73
72	03/ 24	32/ 37	21/ 48	05/ 27	03/ 40	09/ 39	10/ 35	08/ 33	35/ 29	05/ 33	23/ 30	21/ 44	21/ 48
73	21/ 35	30/ 34	30/ 42	17/ 40	33/ 40	05/ 40	06/ 36	07/ 42	14/ 32	06/ 29	03/ 26	26/ 36	30/ 42
74	05/ 23	21/ 32	33/ 24	09/ 26	07/ 30	16/ 48	12/ 37	08/ 55	17/ 26	06/ 30	29/ 28	11/ 30	08/ 55
75	32/ 28	21/ 28	27/ 34	25/ 34	15/ 37	34/ 34	26/ 34	18/ 46	22/ 34	26/ 38	33/ 28	10/ 27	18/ 46
76	32/*32	26/ 31	27/ 31	34/ 34	11/ 48	26/ 36	34/ 34	25/ 30	09/ 21	21/ 28	24/ 21	31/ 28	11/*48
77	21/ 31	23/ 40	04/ 21	32/ 29	30/ 22	07/ 45	18/ 50	09/ 35	19/ 36	05/ 24	32/ 23	35/ 26	18/ 50
78	30/ 37	16/ 28	12/ 26	30/ 23	21/ 41	01/ 43	36/ 30	05/ 40	16/ 31	09/ 21	04/ 19	24/ 37	01/ 43
79	20/ 37	29/ 31	33/ 33	11/ 26	24/ 38	02/ 31	15/ 38	23/ 49	07/ 32	11/ 22	03/ 24	30/ 25	23/ 49
80	20/ 29	28/ 27	30/ 36	20/ 32	22/ 34	24/ 30	21/ 29	14/ 38	13/ 37	28/ 30	04/ 27	06/ 20	14/ 38

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4602-5009,5112-9007
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
81	05/ 24	20/ 25	26/ 31	08/ 24	17/ 29	08/ 47	08/ 39	16/ 38	22/ 30	05/ 30	08/ 31	16/ 25	08/ 47
82	31/ 35	07/ 29	27/ 30	30/ 30	23/ 31	21/ 45	07/ 37	21/ 31	19/ 36	05/ 30	13/ 24	28/ 26	21/ 45
83	09/*35	08/ 48	26/ 46	18/ 37	22/ 25	33/ 38	33/ 40	21/ 37	11/ 50	19/ 26	29/ 39	27/ 35	11/*50
84	26/ 25	29/ 37	25/ 36	15/ 36	04/ 32	10/ 29	09/ 37	06/ 35	26/ 35	06/ 22	36/ 27	33/ 24	29/ 37
85	19/ 25	29/ 38	21/*32	21/ 21	28/ 24	19/ 34	13/ 58	19/ 44	18/ 37	23/ 45	26/ 25	33/ 27	13/*58
86	30/ 31	22/ 27	18/ 41	21/ 21	09/ 33	19/ 42	15/ 26	10/ 32	14/ 31	04/ 24	04/ 23	07/ 26	19/ 42
87	16/ 42	30/ 23	30/ 34	28/ 28	05/ 22	18/ 38	07/ 38	01/ 49	15/ 36	04/ 27	07/ 28	34/ 28	01/ 49
88	31/ 30	21/ 31	32/ 34	26/ 35	28/ 37	25/ 26	14/ 41	12/ 41	23/ 41	28/ 27	02/ 65	19/ 20	02/ 65
89	05/ 36	31/ 32	23/ 28	16/ 29	05/ 52	27/ 40	07/ 39	10/ 33	17/ 27	04/ 37	21/ 24	24/ 31	05/ 52
90	34/ 26	31/ 27	07/ 25	23/ 31	24/ 27	07/ 39	33/ 38						07/*39

GREATEST	NW 44 S 65 21/ 48 SSW 49 05/ 52 E 54 NE 58 08/ 55 NW 75 NNE 54 02/ 65 21/ 44 NW 75
TOTAL OBS	1263 1177 1273 1297 1295 1251 1285 1283 1207 1231 1175 1231 14968

THE PEAK WIND OF 75 FROM NW OCCURRED ON 09/10/60

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH
STER VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4602-5009,5112-9007
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS											MEAN WIND	MEDIAN WIND	TOTAL OBS
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-54	GE 65			
JAN	.1	8.8	34.3	28.7	17.3	5.9	3.2	1.4	.2	.0	.0	16.6	16.0	1263
FEB	.1	4.8	29.6	31.1	18.8	8.6	3.7	2.0	1.2	.1	.1	18.2	17.0	1177
MAR	.0	2.3	25.3	33.2	21.7	10.3	4.6	1.8	.9	.0	.0	18.9	18.0	1273
APR	.0	1.9	28.1	37.5	20.1	7.1	3.3	1.2	.7	.0	.0	18.0	17.0	1297
MAY	.0	2.5	31.2	36.6	19.9	6.0	2.3	.8	.5	.1	.0	17.4	16.0	1295
JUN	.0	3.2	29.7	29.9	21.9	8.5	3.3	2.2	1.2	.1	.0	18.4	17.0	1251
JUL	.1	5.8	27.1	28.8	19.8	8.9	4.9	3.3	.9	.3	.0	18.6	17.0	1285
AUG	.1	4.9	24.6	29.9	20.7	11.1	4.3	2.6	1.6	.2	.0	19.0	18.0	1283
SEP	.1	5.7	28.1	28.3	21.3	8.9	4.2	1.7	1.0	.6	.2	18.5	17.0	1207
OCT	.3	7.2	34.2	32.8	16.7	6.1	1.8	.5	.2	.2	.0	16.4	16.0	1231
NOV	.2	10.0	38.2	32.1	13.6	3.9	1.0	.7	.2	.0	.1	15.5	15.0	1175
DEC	.2	12.7	36.2	28.6	14.1	5.0	1.9	1.2	.2	.0	.0	15.7	15.0	1231
ANNUAL	.1	5.8	30.5	31.5	18.9	7.5	3.2	1.6	.7	.1	.0	17.6	16.0	14968

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.2	5.5	.6									14.3	4.3	4.0
020-040	8.1	5.1	.5									13.7	4.5	4.0
050-070	6.2	6.6	1.9	.3	.2							15.3	6.0	6.0
(E) 080-100	4.4	3.9	.2									8.5	4.7	4.0
110-130	2.3	3.7										5.9	5.1	5.0
140-160	1.6	1.6	.3	.1								3.7	5.6	5.0
(S) 170-190	1.4	1.2	.1	.1								2.8	5.3	4.5
200-220	1.9	2.2	.1	.3								4.5	5.9	5.0
230-250	1.2	.4	.2									1.8	5.1	4.0
(W) 260-280	2.2	.4	.4									3.0	4.3	3.0
290-310	1.3	1.4	1.2	.2								4.1	7.4	7.5
320-340	3.0	2.5	1.2	.2								6.9	6.1	5.0
VARIABLE														
CALM	////////////////////////////////////											15.6	////////	
TOTALS	41.8	34.5	6.7	1.2	.2							100.0	4.4	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	9.1	5.4	.3	.1								14.9	4.2	4.0
020-040	10.0	5.6	.3	.2								16.1	4.4	4.0
050-070	6.8	7.1	1.8	.1	.1							15.9	5.4	5.0
(E) 080-100	4.0	3.0		.1								7.1	4.2	4.0
110-130	2.7	3.1	.5									6.3	5.1	5.0
140-160	1.6	2.9	.2	.1								4.8	5.9	6.0
(S) 170-190	.4	1.2	.4	.1	.3							2.5	9.0	7.0
200-220	1.4	1.3		.1								2.8	5.0	4.5
230-250	1.7	.1	.2									2.0	4.7	3.0
(W) 260-280	.8	.4	.3									1.5	5.6	5.0
290-310	1.9	.8	.9									3.5	5.3	4.0
320-340	2.2	1.7	1.8	.4								6.1	7.5	8.0
VARIABLE														
CALM	////////////////////											16.2	////////	
TOTALS	42.6	32.6	6.7	1.2	.4							100.0	4.3	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	9.1	5.3	1.1	.4								15.9	4.9	4.0
020-040	10.4	6.2	.6	.2								17.5	4.7	4.0
050-070	8.7	8.0	1.7	.3								18.7	5.3	5.0
(E) 080-100	3.1	2.2	.1	.2								5.6	4.7	4.0
110-130	3.2	2.5	.1									5.8	4.2	4.0
140-160	2.6	3.1	.4	.1								6.2	5.7	5.5
(S) 170-190	1.3	1.7	1.1		.2	.1						4.4	7.9	7.0
200-220	1.4	.5	.1									2.0	4.3	3.0
230-250	1.0	.2		.1								1.3	4.4	3.5
(W) 260-280	.8	.3	.5	.1								1.7	7.2	5.0
290-310	1.2	1.0	.4									2.6	5.5	6.0
320-340	1.9	1.5	1.8	.4								5.7	7.8	6.0
VARIABLE														
CALM	////////////////////											12.5	////////	
TOTALS	44.7	32.5	7.9	1.8	.2	.1						100.0	4.7	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.3	7.0	1.8	.1								13.2	6.3	6.0
020-040	4.6	6.6	2.7	.2								14.1	6.5	6.0
050-070	4.4	8.5	4.7	.9								18.5	7.8	8.0
(E) 080-100	2.3	3.9	1.3									7.4	6.5	6.0
110-130	1.7	4.9										6.7	5.6	6.0
140-160	5.2	4.5	.9	.1								10.6	5.2	5.0
(S) 170-190	3.2	2.8	.5	.1								6.7	5.4	5.0
200-220	1.0	1.7	.2	.2								3.1	6.5	7.0
230-250	.9	.5	.4									1.8	6.1	6.0
(W) 260-280	1.3	.4	.5									2.3	5.2	4.0
290-310	.8	.9	1.3	.1								3.0	8.0	8.0
320-340	1.9	4.7	2.4	.3								9.4	7.4	8.0
VARIABLE														
CALM	////////////////////											3.2	////////	
TOTALS	31.6	46.4	16.7	2.0								100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	3.3	1.0									6.5	5.9	5.0
020-040	.9	2.8	1.3	.1								5.1	7.2	6.0
050-070	1.3	5.5	3.1	.5								10.4	8.3	8.0
(E) 080-100	1.0	2.8	1.4	.8								5.9	8.3	8.0
110-130	.8	2.2	.9	.1								3.9	7.3	7.5
140-160	3.8	3.0	.6									7.4	5.0	4.0
(S) 170-190	3.2	1.4	.8	.2								5.6	5.5	4.0
200-220	2.3	6.1	2.2	.4								11.0	7.3	7.0
230-250	3.5	2.8	.3									6.7	4.9	4.0
(W) 260-280	5.4	2.8		.2	.1							8.5	4.6	4.0
290-310	1.8	4.9	3.1	1.0	.1							11.0	8.5	8.0
320-340	1.6	9.5	5.5	.2								16.8	8.1	8.0
VARIABLE														
CALM	////////////////////////////////////											1.4	////////////////////////////////	
TOTALS	27.8	47.1	20.2	3.5	.2							100.0	6.9	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.8	.5									3.4	6.0	6.5
020-040	.9	3.1	.5									4.5	6.6	6.0
050-070	1.4	4.6	2.0	.2								8.3	7.8	6.0
(E) 080-100	.6	3.8	1.9	.1	.1							6.6	8.4	8.0
110-130	.5	1.5	.5									2.6	7.2	7.0
140-160	1.2	1.1	.3									2.6	5.2	5.0
(S) 170-190	1.0	1.1	.4	.1								2.6	6.9	6.0
200-220	2.6	6.9	3.2									12.7	7.4	7.0
230-250	5.4	4.3	.9									10.5	5.1	4.0
(W) 260-280	5.7	1.6	.5									7.8	4.0	3.0
290-310	3.0	7.8	2.2	.8								13.8	7.2	7.0
320-340	3.0	14.0	5.4	.8								23.1	7.7	7.0
VARIABLE														
CALM	////////////////////////////////////											1.5	////////	
TOTALS	26.4	51.6	18.3	2.0	.1							100.0	6.8	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	6.9	4.2	.3									11.4	4.2	4.0
020-040	3.1	2.5	.5									6.1	5.2	4.0
050-070	1.9	4.5	1.7	.2	.1							8.5	7.4	7.0
(E) 080-100	1.3	2.0	.8	.3								4.4	7.2	6.0
110-130		.4	.1									.5	8.6	8.0
140-160	.2	.3										.5	5.2	5.0
(S) 170-190	1.6	2.3	.4									4.3	5.9	6.0
200-220	2.8	4.5	.9									8.2	5.8	5.5
230-250	4.9	2.4	.2									7.5	4.1	4.0
(W) 260-280	2.8	1.3										4.1	3.9	3.5
290-310	5.2	3.8	1.4	.2								10.5	5.3	5.0
320-340	11.8	11.3	2.3	.4								25.8	5.3	5.0
VARIABLE														
CALM	////////////////////////////////////											8.1	////////	
TOTALS	42.5	39.5	8.6	1.1	.1							100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	9.2	4.6	.5	.1								14.5	4.2	4.0
020-040	5.3	4.1	.9									10.2	4.9	4.0
050-070	3.2	6.2	2.2	.3	.2							12.2	6.8	7.0
(E) 080-100	2.3	4.1	.9									7.2	6.3	6.0
110-130	1.2	.9										2.0	3.9	3.0
140-160	2.3	.8	.1									3.1	3.9	4.0
(S) 170-190	1.5	1.8	.8	.1								4.2	6.0	5.0
200-220	2.9	1.6	.4									4.9	4.6	4.0
230-250	3.0	1.0	.1									4.1	3.6	3.0
(W) 260-280	1.5	.3	.1									1.9	3.5	2.5
290-310	3.0	1.9	1.3	.1								6.3	5.5	5.0
320-340	6.6	5.8	1.5	.1								14.0	5.4	5.0
VARIABLE														
CALM	////////////////////////////////////											15.3	////////	
TOTALS	42.0	33.1	8.8	.7	.2							100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	6.3	4.6	.8	.1								11.8	4.8	4.0
020-040	5.4	4.5	.9	.1								10.9	5.2	5.0
050-070	4.2	6.4	2.4	.4	.1							13.5	6.7	6.0
(E) 080-100	2.4	3.2	.8	.2	.0							6.6	6.2	6.0
110-130	1.5	2.4	.3	.0								4.2	5.4	5.0
140-160	2.3	2.2	.4	.1								4.9	5.3	5.0
(S) 170-190	1.7	1.7	.6	.1	.1	.0						4.1	6.3	5.0
200-220	2.0	3.1	.9	.1								6.2	6.4	6.0
230-250	2.7	1.5	.3	.0								4.5	4.7	4.0
(W) 260-280	2.5	1.0	.3	.0	.0							3.9	4.5	4.0
290-310	2.3	2.8	1.5	.3	.0							6.9	6.8	6.0
320-340	4.0	6.4	2.7	.4								13.5	6.8	6.0
VARIABLE														
CALM	////////////////////											9.2	////	////
TOTALS	37.3	39.8	11.9	1.8	.2							100.0	5.3	5.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	7.7	1.1	.4								12.6	6.3	6.0
020-040	5.2	7.9	.8	.5								14.5	5.9	5.0
050-070	4.3	9.0	3.8	1.6	.7							19.4	8.0	7.5
(E) 080-100	2.2	3.5	.5									6.2	5.5	5.0
110-130	1.1	3.5	.1									4.7	5.5	6.0
140-160	1.9	2.3										4.2	4.9	5.0
(S) 170-190	1.5	.7	.3	.3	.4							3.1	7.7	6.0
200-220	1.3	3.4	.1	.1								5.0	6.0	6.0
230-250	1.5	1.5	.7	.1								3.8	6.2	5.0
(W) 260-280	2.7	.5	.4									3.6	4.0	3.0
290-310	1.9	1.3	1.1									4.3	6.2	5.5
320-340	3.1	4.4	2.0	.3								9.8	6.7	6.0
VARIABLE														
CALM	////////////////////											8.9	////////	
TOTALS	30.2	45.7	10.9	3.3	1.1							100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 744

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: FEB HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.3	1.7	.5									8.4	3.7	3.0
020-040	7.3	4.3	1.5									13.1	4.8	4.0
050-070	4.5	7.0	2.8	.2								14.5	6.7	7.0
(E) 080-100	3.0	6.7	.6									10.3	5.6	6.0
110-130	1.9	5.4	.7									8.0	6.3	6.0
140-160	.8	2.7	.2									3.8	6.5	7.0
(S) 170-190	1.9	1.9	.2									4.0	5.4	5.0
200-220	1.1	2.5	.8									4.4	6.7	7.0
230-250	1.5	.7	.2									2.5	4.9	4.0
(W) 260-280	2.0	1.5	.8	.1								4.5	6.3	5.0
290-310	2.8	2.8	1.2	.4								7.2	6.3	5.0
320-340	1.9	2.0	1.3	.4								5.6	7.1	6.0
VARIABLE														
CALM	////////////////////////////////////											13.7	////////	
TOTALS	35.0	39.2	10.8	1.1								100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: FEB HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.4	3.0	.5									8.9	4.4	4.0
020-040	8.3	6.5	1.5									16.3	5.0	4.0
050-070	7.0	9.7	2.0									18.7	5.6	5.0
(E) 080-100	3.0	4.4	.4									7.7	5.4	5.0
110-130	1.8	4.1	.7									6.6	6.3	6.0
140-160	1.7	3.2	.8	.1								5.8	6.6	6.0
(S) 170-190	1.4	2.1	.4	.1								4.0	6.4	6.0
200-220	1.1	2.1	.5									3.7	6.1	6.0
230-250	.5	.5										1.4	4.3	3.5
(W) 260-280	1.9	.6	.5	.2	.1							3.3	6.2	4.0
290-310	1.7	1.7	.8	.5	.1							4.7	7.5	7.0
320-340	2.1	2.5	1.3	.5	.1							6.5	7.3	8.0
VARIABLE														
CALM	////////////////////////////////////											12.4	////////	
TOTALS	36.3	40.4	9.4	1.4	.3							100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.0	2.4	.5	.1								9.0	4.3	4.0
020-040	7.6	7.2	1.4	.1								16.3	5.3	5.0
050-070	7.7	12.5	2.1									22.3	5.7	6.0
(E) 080-100	3.0	3.0	.4									6.3	5.1	5.0
110-130	2.2	4.6	.9									7.8	6.1	6.0
140-160	1.4	4.1	1.2	.1								6.9	6.9	6.0
(S) 170-190	1.9	1.9	.7									4.5	5.5	5.0
200-220	.8	1.7	.4	.1	.1							3.1	7.5	6.0
230-250	.2	.1	.1									.5	6.3	5.5
(W) 260-280	2.1	.4	.6	.2								3.3	5.7	4.0
290-310	1.5	.6	.4	.4	.1							3.0	7.0	4.0
320-340	1.7	1.7	1.9	.2								5.4	7.6	8.5
VARIABLE														
CALM	////////////////////////////////////											11.7	////////////////////////////////	
TOTALS	36.1	40.2	10.6	1.2	.2							100.0	5.1	5.0
TOTAL NUMBER OF OBSERVATIONS 846														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	5.0	.6									8.4	5.8	6.0
020-040	3.2	6.0	2.6									11.8	6.6	7.0
050-070	3.9	9.7	3.4	.8								17.8	7.5	8.0
(E) 080-100	1.4	5.6	2.0	.1	.1	.1						9.3	7.8	8.0
110-130	2.0	5.2	2.4									9.6	7.2	7.0
140-160	2.5	4.4	2.1	.2								9.2	7.0	6.0
(S) 170-190	2.5	3.4	1.9	.2	.2							8.3	7.3	7.0
200-220	1.2	2.0	1.1	.7								5.0	8.4	8.0
230-250	2.2	.2	.1	.1								2.7	3.8	3.0
(W) 260-280	1.9	.2	.1	.1	.2							2.6	6.0	4.0
290-310	.9	1.8	1.4	.6	.4							5.1	9.6	8.0
320-340	1.9	4.7	2.1									8.7	7.0	7.0
VARIABLE														
CALM	////////////////////////////////////											1.4	////////////////////////////////	
TOTALS	26.4	48.2	19.8	2.8	.9	.1						100.0	7.1	7.0
TOTAL NUMBER OF OBSERVATIONS 846														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	2.2	.5									3.8	6.0	6.0
020-040	2.4	1.9	.8	.2								5.3	6.4	5.0
050-070	1.1	4.5	3.0	.8								9.3	8.7	9.0
(E) 080-100	1.2	3.3	2.2		.4							7.1	8.6	8.0
110-130	.5	2.8	1.3									4.6	7.9	8.0
140-160	3.2	5.0	2.5	.2								10.9	6.7	6.0
(S) 170-190	2.7	2.1	1.9	.2	.1							7.1	7.2	6.0
200-220	2.4	3.4	4.8	1.1	.1							11.8	9.1	10.0
230-250	3.2	3.5	1.1	.4								8.2	6.1	5.0
(W) 260-280	4.7	3.9	.2	.2	.1							9.2	5.4	4.0
290-310	1.2	5.3	3.5	.4	.1	.1						10.6	8.7	8.0
320-340	1.4	7.0	2.8	.4								11.6	8.1	8.0
VARIABLE														
CALM	////////////////////////////////////											.5	////////////////////////////////	
TOTALS	25.1	44.9	24.6	3.9	.8	.1						100.0	7.5	7.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	1.5	.4									3.3	5.4	5.0
020-040	.9	2.8	.9									4.7	7.2	7.0
050-070	.4	2.7	2.8	.9								6.9	10.1	10.0
(E) 080-100	.6	3.9	1.2	.5								6.1	8.2	8.0
110-130	.6	2.2	.4									3.2	6.5	6.0
140-160	1.7	2.1	.4									4.1	5.6	5.0
(S) 170-190	.6	1.4	1.3									3.3	8.2	8.0
200-220	1.5	8.2	6.0	.8								16.5	8.8	9.0
230-250	3.5	5.3	2.6	.4	.1							11.9	6.9	6.0
(W) 260-280	3.3	2.6	.2	.2								6.4	5.2	4.0
290-310	1.9	10.8	3.3	1.1								17.0	8.0	8.0
320-340	1.5	9.8	3.8	.5	.1							15.7	8.0	8.0
VARIABLE														
CALM	////////////////////////////////////											.7	////////////////////////////////	
TOTALS	17.9	53.3	23.3	4.4	.2							100.0	7.7	8.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.8	2.7	.1									6.6	4.3	4.0
020-040	1.3	2.2	2.0	.2								5.8	7.7	8.0
050-070	.9	3.3	2.2	.8								7.3	9.1	9.0
(E) 080-100	1.2	3.8	1.5	.1								6.6	7.2	7.0
110-130	1.2	1.8	.1									3.1	5.6	6.0
140-160	.1	.5	.2									.8	7.1	7.0
(S) 170-190	1.2	1.4	.5									3.1	6.2	6.0
200-220	2.8	6.1	1.9	.1								11.0	6.8	6.0
230-250	3.3	5.1	1.7									10.0	6.1	6.0
(W) 260-280	2.0	1.3	.1									3.4	4.4	4.0
290-310	6.1	7.0	2.4	.2								15.7	6.0	5.0
320-340	8.7	10.5	1.5	.8	.1							21.7	5.9	5.0
VARIABLE														
CALM	////////////////////////////////////											4.7	////////////////////////////////	
TOTALS	32.6	45.7	14.2	2.2	.1							100.0	6.0	6.0
TOTAL NUMBER OF OBSERVATIONS 846														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	9.2	3.2										12.4	3.6	3.0
020-040	3.7	3.7	.8									8.2	5.6	5.0
050-070	1.4	5.0	2.8	1.2	.1							10.5	8.8	8.0
(E) 080-100	2.0	7.3	.8									10.2	6.4	6.5
110-130	1.3	2.1	.7									4.1	6.5	6.0
140-160	.8	2.4	.1									3.3	6.0	6.0
(S) 170-190	2.7	1.8	.6									5.1	5.1	4.0
200-220	2.0	2.0	.9	.2								5.2	6.7	6.0
230-250	3.3	1.4	.6									5.3	4.8	4.0
(W) 260-280	2.7	1.9	.7									5.3	5.3	4.0
290-310	4.1	3.0	1.7	.4								9.1	6.4	6.0
320-340	6.3	3.5	1.3	.5								11.6	5.4	4.0
VARIABLE														
CALM	////////////////////////////////////											9.7	////////////////////////////////	
TOTALS	39.5	37.3	11.0	2.3	.1							100.0	5.3	5.0
TOTAL NUMBER OF OBSERVATIONS 846														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.5	2.7	.4	.0								7.6	4.5	4.0
020-040	4.3	4.3	1.5	.1								10.2	5.7	5.0
050-070	3.4	6.8	2.7	.6	.0							13.4	7.2	7.0
(E) 080-100	1.9	4.7	1.1	.1	.1	.0						7.9	6.7	6.0
110-130	1.4	3.5	.9									5.9	6.6	6.0
140-160	1.5	3.0	.9	.1								5.6	6.6	6.0
(S) 170-190	1.9	2.0	.9	.1	.0							4.9	6.5	6.0
200-220	1.6	3.5	2.1	.4	.0							7.6	7.9	8.0
230-250	2.3	2.1	.8	.1	.0							5.3	5.9	5.0
(W) 260-280	2.6	1.6	.4	.1	.1							4.8	5.5	4.0
290-310	2.5	4.1	1.8	.5	.1	.0						9.1	7.3	7.0
320-340	3.2	5.2	2.0	.4	.0							10.9	6.9	7.0
VARIABLE														
CALM	////////////////////											6.9	////////	
TOTALS	31.1	43.5	15.5	2.5	.3							100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.2	3.3	1.1									10.6	4.8	4.0
020-040	4.2	9.7	5.3	.2								19.3	7.3	8.0
050-070	2.9	12.2	2.4	1.1								18.6	7.5	7.0
(E) 080-100	.7	5.1	.9									6.8	7.0	7.0
110-130	2.0	2.6										4.6	4.7	5.0
140-160	1.5	3.6	.9	.4								6.4	7.1	6.0
(S) 170-190	1.6	2.0	.5	.2	.2							4.6	6.7	6.0
200-220	1.3	2.6	.5		.2							4.6	6.6	6.0
230-250	1.6	.7	.5									2.9	5.5	4.0
(W) 260-280	2.0	.2	.7	.2								3.1	5.9	4.0
290-310	1.1	1.3	1.6									4.0	7.8	8.5
320-340	3.1	2.6	1.6	.2	.2							7.7	6.5	6.0
VARIABLE														
CALM	////////////////////											6.9	////////	
TOTALS	28.2	45.9	16.0	2.3	.6							100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 548

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	2.8	.8	.1								7.7	4.8	4.0
020-040	8.3	3.1	.8									12.2	4.2	3.0
050-070	3.5	7.1	1.5	.4								12.6	6.6	7.0
(E) 080-100	2.4	7.6	.9	.1								11.0	6.3	6.0
110-130	1.9	5.2	2.0									9.1	7.1	8.0
140-160	1.5	3.5	1.1									6.1	6.8	7.0
(S) 170-190	1.7	1.6	.9	.3	.1							4.6	7.1	6.0
200-220	1.2	2.2	.8	.1								4.2	6.9	7.0
230-250	1.7	1.5	.5	.3								4.1	6.5	5.0
(W) 260-280	1.6	.9	.3	.4	.2							3.4	7.3	5.0
290-310	3.5	2.9	1.7	.1								8.3	6.1	5.0
320-340	3.7	3.2	.8	.3								8.0	5.9	5.0
VARIABLE														
CALM	////////////////////											8.7	////////	
TOTALS	35.1	41.6	12.1	2.1	.3							100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.8	1.7	1.0									9.5	4.1	3.0
020-040	8.3	5.8	.3	.2								14.6	4.5	4.0
050-070	6.2	6.5	1.9	.2								14.8	5.8	5.0
(E) 080-100	4.5	4.7	.4	.2								9.9	5.1	5.0
110-130	2.0	5.4	1.5	.2								9.1	7.0	7.0
140-160	1.6	4.4	2.0									8.1	7.1	7.0
(S) 170-190	.8	1.3	1.2	.1								3.3	8.1	9.0
200-220	.5	2.6	1.0	.2	.1							4.4	8.1	7.0
230-250	.9	.4	.8		.1							2.2	7.5	5.5
(W) 260-280	1.6	1.1	.6	.2	.1							3.7	6.9	5.0
290-310	2.7	1.0	1.5	.3								5.5	7.0	5.0
320-340	2.6	1.5	1.6	.2								5.9	6.7	6.0
VARIABLE														
CALM	////////////////////											9.0	////////	
TOTALS	38.5	36.4	13.8	1.8	.3							100.0	5.5	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.8	2.6	1.4									9.8	4.9	4.0
020-040	7.8	5.8	.8	.2								14.6	4.8	4.0
050-070	4.6	8.5	3.4	.1								16.7	6.8	7.0
(E) 080-100	4.1	4.2	.9									9.1	5.3	5.0
110-130	2.9	4.5	1.4	.2								9.0	6.6	6.0
140-160	2.0	5.1	2.8									9.9	7.1	7.0
(S) 170-190	1.1	1.7	1.4	.3								4.5	7.9	7.0
200-220	.8	1.3	1.6	.3								4.0	8.7	9.0
230-250	1.0	.6	.3									1.9	5.6	5.0
(W) 260-280	1.3	.8	.8	.3								3.1	7.1	5.0
290-310	1.4	1.2	1.0	.4	.3							4.3	8.6	7.0
320-340	1.3	1.6	1.2	.4								4.5	7.6	7.0
VARIABLE														
CALM	////////////////////											8.5	////////	
TOTALS	34.1	37.9	17.0	2.2	.3							100.0	5.8	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	3.7	1.5									7.4	6.1	5.0
020-040	2.2	4.7	1.6									8.5	6.7	7.0
050-070	1.7	9.5	5.4	.4								17.0	8.4	8.0
(E) 080-100	.6	4.3	3.1	.3								8.4	8.8	9.0
110-130	1.2	4.2	4.3	.6								10.3	8.8	9.0
140-160	3.0	7.4	3.3	.4								14.2	7.4	6.0
(S) 170-190	1.5	3.3	2.5	.2								7.5	8.0	7.5
200-220	1.8	1.9	2.3	.8	.1							6.9	8.7	8.5
230-250	.8	1.0	.5									2.3	6.9	6.0
(W) 260-280	2.0	.9	.4	.2								3.5	5.7	4.0
290-310	.3	3.3	2.0	.8	.2							6.7	9.8	9.0
320-340	1.5	3.1	2.0	.2								6.9	7.8	7.0
VARIABLE														
CALM	////////////////////											.4	////////////////	
TOTALS	18.9	47.3	28.9	3.9	.3							100.0	7.9	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	1.5	.3									2.3	6.7	7.0
020-040	1.3	3.3	.6									5.3	6.3	6.0
050-070	1.5	5.2	2.4	1.0	.1							10.1	8.4	8.0
(E) 080-100	.5	3.0	1.9	.4								5.9	9.1	9.0
110-130	.6	1.8	2.7	.2								5.4	9.1	10.0
140-160	1.9	4.4	2.0	.1	.1							8.6	7.4	7.0
(S) 170-190	2.3	3.3	1.1	.4		.1						7.2	7.5	7.0
200-220	1.5	6.8	4.9	1.8	.4							15.5	9.7	9.0
230-250	3.3	4.2	1.3	.8		.1						9.7	7.0	5.5
(W) 260-280	3.3	4.0	1.1	.2	.1		.1					8.8	6.7	5.5
290-310	1.7	6.1	3.7	1.0	.2							12.7	8.8	8.0
320-340	.9	4.4	2.7	.5								8.5	8.6	8.0
VARIABLE														
CALM	////////////////////////////////////											.1	////////////////////////////////	
TOTALS	19.2	48.0	24.7	6.4	.9	.2	.1					100.0	8.2	7.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.5	.2									1.2	5.8	5.0
020-040	.6	2.8	.3									3.8	6.1	6.0
050-070	.9	4.3	2.5	.3								8.0	8.8	8.0
(E) 080-100	.4	2.6	1.7	.3								5.1	9.0	9.0
110-130	.5	2.9	1.3	.1								4.8	8.0	8.0
140-160	.6	1.4	.9	.1								3.0	7.3	7.0
(S) 170-190	.8	.2	.5	.4								2.5	8.2	7.0
200-220	.8	7.8	10.0	1.9	.4							21.0	10.2	10.0
230-250	1.9	4.9	1.6	.4								8.9	7.2	7.0
(W) 260-280	3.3	4.3	1.1	.3	.1							9.1	6.4	5.0
290-310	2.4	9.7	6.2	.9	.3							19.5	8.5	8.0
320-340	1.1	6.8	4.9	.2								13.0	8.5	8.0
VARIABLE														
CALM	////////////////////////////////////											.2	////////////////////////////////	
TOTALS	13.7	48.8	31.2	4.9	.8							100.0	8.4	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM BOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	1.7	.4									4.7	4.9	4.0
020-040	2.2	1.6	.3	.1								4.2	5.4	4.0
050-070	1.1	2.5	2.2	.5								6.2	8.8	8.0
(E) 080-100	1.5	3.9	1.4	.1								6.9	7.2	7.0
110-130	.3	1.8	1.5									3.7	8.3	8.5
140-160	.5	.8	.1									1.4	5.6	6.0
(S) 170-190	1.0	1.2	.3	.4								2.9	7.5	6.0
200-220	2.3	7.1	3.5	.4	.3							13.7	8.2	8.0
230-250	3.0	3.9	.6		.1							7.6	5.7	5.0
(W) 260-280	2.3	3.0	.8									6.0	5.7	5.0
290-310	3.7	10.4	3.2	.8	.2							18.3	7.3	7.0
320-340	6.2	14.5	1.9		.1							22.8	6.1	6.0
VARIABLE														
CALM	////////////////////////////////////											1.6	////////	
TOTALS	26.7	52.4	16.2	2.3	.7							100.0	6.7	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASKEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.5	2.6	.8	.1								11.0	4.4	4.0
020-040	4.9	2.2	.4	.1								7.6	4.5	4.0
050-070	1.4	5.2	2.5	.6	.1							9.8	8.2	8.0
(E) 080-100	1.4	7.5	2.7									11.6	7.7	8.0
110-130	1.5	3.2	1.5									6.2	7.1	7.0
140-160	1.2	1.8	.3	.1								3.4	6.2	6.0
(S) 170-190	1.9	2.2	1.1	.2	.1							5.5	7.3	7.0
200-220	2.3	3.5	.8									6.6	6.0	6.0
230-250	2.2	1.3	.1		.4							4.0	6.3	4.0
(W) 260-280	3.1	1.7	.1	.2	.1							5.3	5.0	4.0
290-310	4.6	3.7	1.8	.3	.1							10.5	6.3	5.0
320-340	4.9	5.7	1.2	.4								12.3	5.8	5.0
VARIABLE														
CALM	////////////////////////////////////											6.2	////////////////////////////////	
TOTALS	36.9	40.6	13.3	2.0	.8							100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	2.1	.8	.0								6.7	4.9	4.0
020-040	4.4	3.7	.6	.1								8.8	5.0	4.0
050-070	2.6	6.1	2.7	.5	.0							11.9	7.5	7.0
(E) 080-100	1.9	4.7	1.6	.2								8.5	7.1	7.0
110-130	1.4	3.6	2.0	.2								7.2	7.6	8.0
140-160	1.6	3.6	1.6	.1	.0							6.8	7.1	7.0
(S) 170-190	1.4	1.9	1.1	.3	.0	.0						4.8	7.7	7.0
200-220	1.4	4.2	3.1	.7	.2							9.5	8.9	8.0
230-250	1.8	2.2	.7	.2	.1	.0						5.1	6.6	6.0
(W) 260-280	2.3	2.1	.6	.2	.1		.0					5.4	6.3	5.0
290-310	2.5	4.8	2.6	.6	.2							10.7	7.8	7.0
320-340	2.8	5.1	2.0	.3	.0							10.2	6.9	7.0
VARIABLE														
CALM	////////////////////											4.4	////	////
TOTALS	27.8	44.1	19.4	3.4	.6							100.0	6.7	6.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL &	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.6	3.0	.6									8.2	5.0	4.0
020-040	5.2	4.3	1.5	.6								11.6	6.3	5.0
050-070	2.1	2.4	3.7	1.8								10.1	9.6	10.0
(E) 080-100	.9	3.0	1.8	.9								6.7	9.1	8.5
110-130	2.1	4.3	1.2									7.6	6.2	6.0
140-160	2.1	6.1	1.5	.3								10.1	6.9	6.0
(S) 170-190	.6	2.7	2.1									5.5	8.3	7.5
200-220	2.4	2.7	3.0									8.2	7.3	7.0
230-250	3.0	.9	2.7	.3	.3							7.3	8.6	8.0
(W) 260-280	.9	.9	.3									2.1	5.1	5.0
290-310	1.2	4.3	2.7	.6								8.8	8.6	8.0
320-340	1.2	4.3	1.8	.3								7.6	7.5	7.0
VARIABLE														
CALM	////////////////////////////////////											6.1	////////////////////////////////	
TOTALS	26.3	38.9	22.9	4.8	.3							100.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS 328

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: APR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.4	2.1	.2									6.8	3.9	3.0
020-040	6.4	2.1	.3									8.9	3.6	3.0
050-070	5.2	5.6	1.9									12.7	5.9	6.0
(E) 080-100	5.4	9.2	.8									15.4	5.7	6.0
110-130	2.0	5.0	.9									7.9	6.2	6.0
140-160	.9	2.4	1.0	.1								4.4	7.5	7.5
(S) 170-190	.8	1.1	.7									2.6	6.9	7.0
200-220	1.1	1.3	.6									3.0	6.3	6.0
230-250	1.9	1.4	.3		.1							3.8	6.0	4.5
(W) 260-280	4.9	3.2	1.1									9.2	5.3	4.0
290-310	4.7	2.8	1.4	.3								9.2	5.7	4.0
320-340	2.6	2.7	1.0	.1								6.3	5.9	6.0
VARIABLE														
CALM	////////////////////											9.8	////////	
TOTALS	40.3	38.9	10.2	.5	.1							100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.4	2.2	.4									8.1	4.1	3.0
020-040	6.2	3.2	.6									10.0	4.3	4.0
050-070	9.0	7.4	1.2									17.7	4.9	4.0
(E) 080-100	7.3	5.6	.4									13.3	4.4	4.0
110-130	2.2	4.3	.3									6.9	5.9	6.0
140-160	.8	3.3	1.4	.1								5.7	8.0	8.0
(S) 170-190	1.1	1.8	.7									3.6	6.3	6.5
200-220	.6	.9	.3	.1								1.9	6.8	6.0
230-250	1.6	1.4	.3	.1								3.4	5.7	5.0
(W) 260-280	3.2	1.7	1.1									6.0	5.3	4.0
290-310	3.6	2.3	1.1	.1								7.1	5.4	4.5
320-340	2.1	2.1	1.0	.1								5.3	6.0	5.5
VARIABLE														
CALM	////////////////////////////////////											11.0	////////	
TOTALS	43.1	36.2	8.8	.5								100.0	4.7	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.7	2.3	.1									7.1	4.3	4.0
020-040	6.9	5.0	1.1									13.0	5.1	4.0
050-070	6.8	9.3	2.2	.1								18.4	5.9	6.0
(E) 080-100	6.1	5.3	.3									11.8	4.7	4.0
110-130	3.3	4.7	1.0									9.0	5.8	5.0
140-160	1.3	3.6	1.8	.2								6.9	7.9	8.0
(S) 170-190	.3	2.8	.3	.1								3.6	6.9	7.0
200-220	.7	1.4	.7	.1								2.9	7.4	7.0
230-250	1.3	.7	.2									2.2	4.7	4.0
(W) 260-280	4.4	1.4	.7									6.6	4.4	4.0
290-310	2.1	2.4	.4	.2								5.2	5.8	5.0
320-340	2.4	1.6	.9									4.9	5.8	5.0
VARIABLE														
CALM	////////////////////////////////////											8.4	////////////////////////////////	
TOTALS	40.3	40.5	9.7	.7								100.0	5.1	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASBVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	2.4	.6									4.4	6.3	6.0
020-040	.9	3.2	1.7	.4								6.2	8.4	8.0
050-070	1.2	6.0	3.4	.3								11.0	8.3	8.0
(E) 080-100	1.8	6.0	2.7	.2								10.7	7.7	8.0
110-130	.8	6.0	1.7	.1								8.6	7.3	7.0
140-160	3.7	7.7	2.4	.3								14.1	6.8	6.0
(S) 170-190	3.1	4.1	.8	.2	.1							8.3	6.3	6.0
200-220	1.9	3.7	1.9	.4								7.9	7.5	6.0
230-250	1.8	1.6	1.1	.2								4.7	7.0	6.0
(W) 260-280	2.7	3.2	.8	.1	.1							6.9	5.9	5.0
290-310	1.7	3.2	1.9	.2	.2							7.2	7.8	7.0
320-340	2.4	5.7	1.0									9.1	6.3	6.0
VARIABLE														
CALM	////////////////////////////////////											.9	////////////////////////////////	
TOTALS	23.4	52.8	20.0	2.4	.4							100.0	7.1	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64					
(N) 350-010	.1	.6	.4									1.1	7.9	8.5	
020-040	.2	2.2	.7									3.1	7.9	8.0	
050-070	.7	4.2	2.2	.8								7.9	9.1	9.0	
(E) 080-100	.6	4.4	1.1	.3								6.4	7.7	7.0	
110-130	.8	2.2	.6	.1								3.7	7.0	7.0	
140-160	2.4	4.2	1.1	.1								7.9	6.5	6.0	
(S) 170-190	1.7	2.6	.8	.2	.1							5.3	7.1	6.0	
200-220	2.0	7.8	4.7	1.9	.4							16.8	9.5	9.0	
230-250	3.7	7.0	2.0	.6								13.2	6.9	6.0	
(W) 260-280	5.0	6.7	.6	.6	.2							13.0	6.2	5.0	
290-310	.7	6.3	2.2	.7								9.9	8.5	8.0	
320-340	.6	6.9	4.0									11.4	8.3	8.0	
VARIABLE															
CALM	////////////////////////////////////											.2	////////////////////////////////		
TOTALS	18.5	55.1	20.4	5.3	.7							100.0	7.8	7.0	

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	.2										.3	5.7	6.0
020-040	.3	1.2										1.6	5.9	5.5
050-070	.3	3.8	2.9	.8								7.8	9.5	9.0
(E) 080-100	.7	3.9	2.1	.2	.1							7.0	8.7	8.0
110-130	.1	1.8										1.9	6.3	6.0
140-160	1.1	1.3	.1	.1								2.7	5.8	5.5
(S) 170-190	.3	.9	.1	.4								1.8	8.9	8.0
200-220	.8	8.8	4.7	1.1	.3							15.7	9.4	9.0
230-250	1.9	6.7	3.3	.9	.1							12.9	8.4	8.0
(W) 260-280	3.4	7.2	1.4	.4	.2							12.8	6.9	6.0
290-310	2.2	10.0	5.6	.3								18.1	8.1	8.0
320-340	.4	11.7	4.9									17.0	8.2	8.0
VARIABLE														
CALM	////////////////////////////////////											.6	////////	
TOTALS	11.6	57.5	25.1	4.2	.7							100.0	8.2	8.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: APR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.4										2.6	5.2	5.0
020-040	.4	1.0	.1	.1								1.7	6.9	7.0
050-070	.8	3.4	3.2	.3								7.8	9.0	9.0
(E) 080-100	1.0	3.6	2.3	.1								7.0	8.0	8.0
110-130	.3	.8	.3									1.4	6.9	8.0
140-160	.1	.2	.1									.4	7.0	6.0
(S) 170-190	.2	.9	.2									1.3	6.8	7.5
200-220	2.7	5.0	2.2	.7								10.6	7.5	7.0
230-250	2.9	5.6	.9	.4	.2							10.0	6.6	6.0
(W) 260-280	2.7	6.3	.9	.1								10.0	6.3	6.0
290-310	4.2	11.6	2.9	.8	.1							19.6	7.0	6.0
320-340	6.4	17.9	1.6	.1								26.0	5.9	6.0
VARIABLE														
CALM	////////////////////////////////////											1.7	////////	
TOTALS	22.8	57.7	14.7	2.6	.3							100.0	6.7	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.1	1.2										9.3	3.3	3.0
020-040	4.9	1.0	.3									6.2	3.4	3.0
050-070	2.1	3.1	3.6	.1								8.9	7.8	8.0
(E) 080-100	2.3	8.3	3.2									13.9	7.5	8.0
110-130	1.1	2.1	.8									4.0	6.3	6.0
140-160	1.0	1.1	.1									2.2	5.6	5.0
(S) 170-190	.7	.6	.6									1.8	7.4	8.0
200-220	1.8	2.4	.6									4.8	5.5	5.0
230-250	2.7	3.1	.9									6.7	5.6	5.0
(W) 260-280	5.0	4.4	1.2									10.7	5.3	5.0
290-310	5.3	4.9	1.6	.6	.1							12.4	6.0	5.0
320-340	7.1	5.1	1.0	.1								13.3	4.9	4.0
VARIABLE														
CALM	////////////////////											5.8	////////	
TOTALS	42.1	37.3	13.9	.8	.1							100.0	5.4	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: APR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	1.6	.2									5.0	4.4	4.0
020-040	3.3	2.4	.6	.1								6.3	5.1	4.0
050-070	3.3	5.4	2.6	.3								11.5	7.0	7.0
(E) 080-100	3.2	5.8	1.6	.1	.0							10.7	6.5	6.0
110-130	1.3	3.4	.7	.0								5.4	6.4	6.0
140-160	1.4	3.0	1.0	.1								5.5	7.0	6.0
(S) 170-190	1.0	1.8	.5	.1	.0							3.5	6.8	6.0
200-220	1.4	3.9	1.9	.5	.1							7.9	8.3	8.0
230-250	2.2	3.4	1.1	.3	.1							7.1	6.8	6.0
(W) 260-280	3.9	4.3	1.0	.2	.1							9.4	5.8	5.0
290-310	3.1	5.4	2.1	.4	.1							11.1	7.0	6.0
320-340	3.0	6.7	1.9	.1								11.7	6.5	6.0
VARIABLE														
CALM	////////////////////											4.8	////////	
TOTALS	30.3	47.1	15.2	2.2	.4							100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	1.2	.6									2.5	6.8	7.5
020-040	5.5	10.4	1.2									17.2	5.7	6.0
050-070	3.7	3.7	2.5									9.8	7.1	7.5
(E) 080-100	3.7	3.7	1.2									8.6	5.4	5.0
110-130	3.7	3.1										6.7	4.5	4.0
140-160	1.8	2.5	.6									4.9	5.4	5.0
(S) 170-190	1.2	6.7	1.2									9.2	6.3	6.0
200-220	1.8	1.8	1.8	3.7								9.2	10.3	12.0
230-250	3.1	2.5	2.5	.6								8.6	8.3	7.5
(W) 260-280	4.9	3.1	1.8									9.8	5.6	5.0
290-310	1.8	2.5	.6									4.9	5.8	5.5
320-340	1.8	1.8	.6									4.3	6.1	6.0
VARIABLE														
CALM	////////////////////											4.3	////////	
TOTALS	33.6	43.0	14.6	4.3								100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 163

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	.9										3.5	3.4	3.0
020-040	4.5	2.5	.1									7.1	4.0	3.5
050-070	4.3	6.7	1.8									12.8	6.2	6.0
(E) 080-100	12.4	14.5	1.2									28.1	5.2	5.0
110-130	3.3	7.4	1.4									12.2	6.3	6.0
140-160	1.8	2.8	.6									5.3	6.3	6.0
(S) 170-190	.9	1.4	.1									2.4	5.6	6.0
200-220	.8	.8	.9									2.4	7.1	7.0
230-250	2.0	1.6										3.7	4.6	4.0
(W) 260-280	3.0	1.4	.3									4.7	4.5	4.0
290-310	3.4	2.7	.2									6.3	4.5	4.0
320-340	2.3	1.1	.1									3.4	4.4	4.0
VARIABLE														
CALM	////////////////////											8.2	////////	
TOTALS	41.4	43.8	6.7									100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	3.9	.4	.2									4.5	3.1	2.0
020-040	6.9	2.5										9.4	3.6	3.0
050-070	5.8	7.4	1.5									14.7	5.4	5.0
(E) 080-100	14.2	7.3	.3									21.8	4.1	4.0
110-130	3.3	7.8	.5									11.7	5.6	6.0
140-160	.8	5.9	1.4	.1	.1							8.3	7.6	7.0
(S) 170-190	1.1	1.7	.1									2.9	5.7	5.0
200-220	.6	1.1	.9									2.6	7.8	7.5
230-250	1.8	1.0	.2									3.0	4.4	4.0
(W) 260-280	2.8	1.0										3.8	3.9	4.0
290-310	2.5	1.5	.3	.1								4.4	5.0	4.0
320-340	2.0	1.4										3.4	4.3	4.0
VARIABLE														
CALM	////////////////////////////////////											9.5	////////////////////////////////	
TOTALS	45.7	39.0	5.4	.2	.1							100.0	4.5	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	1.0	.1									3.8	3.6	2.0
020-040	5.7	4.3	.4									10.4	4.6	4.0
050-070	4.9	9.5	2.2									16.6	6.2	6.0
(E) 080-100	9.1	8.0	1.1									18.2	5.1	4.0
110-130	5.6	7.1	.6									13.4	5.2	5.0
140-160	1.7	7.5	1.8	.1								11.2	7.1	7.0
(S) 170-190	1.2	2.3	.6	.1								4.2	6.9	7.0
200-220	.4	1.1	.4	.1								2.0	7.7	7.0
230-250	1.4	1.2	.9									3.4	6.2	5.5
(W) 260-280	3.5	1.4	.1									5.1	3.7	3.0
290-310	1.1	1.0	.1									2.2	4.7	4.5
320-340	1.1	1.6	.2									2.9	5.3	5.0
VARIABLE														
CALM	////////////////////											6.7	////////	
TOTALS	38.4	46.0	8.7	.3								100.0	5.2	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	1.7	.1									2.2	6.1	6.0
020-040	.3	2.6	.4									3.3	6.8	6.0
050-070	2.0	7.2	3.5									12.8	7.5	7.0
(E) 080-100	1.6	6.1	3.2	.2								11.2	7.9	8.0
110-130	2.6	6.6	1.9									11.1	6.6	7.0
140-160	7.4	10.8	1.8									20.0	5.8	5.0
(S) 170-190	3.3	5.1	1.3									9.7	5.8	6.0
200-220	2.0	4.0	1.7	.6	.1							8.5	7.8	7.0
230-250	2.6	1.7	.5	.1								4.9	5.5	4.0
(W) 260-280	3.8	2.8	.3									6.9	4.8	4.0
290-310	1.6	2.0	.9									4.5	6.1	5.0
320-340	1.0	2.9	.5									4.4	6.0	6.0
VARIABLE														
CALM	////////////////////////////////////											.5	////////////////////////////////	
TOTALS	28.5	53.5	16.1	.9	.1							100.0	6.5	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	1.0										1.1	6.5	6.5
020-040	.8	1.8	.4									3.0	6.4	6.0
050-070	1.8	4.8	2.3									8.9	7.2	7.0
(E) 080-100	1.0	4.8	2.2	.1								8.1	8.0	8.0
110-130	.9	2.9	1.0									4.7	7.2	7.0
140-160	2.4	5.3	.8									8.4	5.9	6.0
(S) 170-190	3.0	1.7	.2									4.9	4.7	4.0
200-220	2.7	8.9	5.2	1.1	.3							18.2	8.6	8.0
230-250	3.3	9.5	1.8	.3								14.9	6.7	6.0
(W) 260-280	5.7	7.1	.6									13.4	5.2	5.0
290-310	1.2	5.4	1.5									8.1	7.0	7.0
320-340	.8	3.2	1.5	.1								5.6	7.7	8.0
VARIABLE														
CALM	////////////////////											.6	////////	
TOTALS	23.7	56.4	17.5	1.6	.3							100.0	6.9	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.9	.1									1.4	5.2	5.0
020-040	.4	1.4	.8									2.6	7.4	8.0
050-070	.9	5.3	3.1	.2								9.5	8.4	8.0
(E) 080-100	.8	5.3	2.5									8.5	7.8	7.0
110-130	.8	2.9	.8	.1								4.5	7.4	7.5
140-160	.8	.8	.4									1.9	5.7	6.0
(S) 170-190	.8	.6	.3									1.7	5.7	5.0
200-220	1.1	8.0	5.8	.8	.3							15.9	9.3	9.0
230-250	1.7	8.7	3.2	.4								14.1	7.9	8.0
(W) 260-280	3.1	6.9	.9									10.9	5.9	6.0
290-310	1.9	11.7	4.4									18.1	7.6	8.0
320-340	.2	7.2	3.2									10.6	8.1	8.0
VARIABLE														
CALM	////////////////////////////////////											.3	////////	
TOTALS	12.9	59.7	25.5	1.5	.3							100.0	7.7	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	1.6	.1									3.8	4.2	4.0
020-040	.8	1.3	.5									2.6	6.2	5.5
050-070	.6	4.0	3.5	.6								8.8	9.3	9.0
(E) 080-100	2.0	6.8	2.9									11.7	7.8	8.0
110-130	.8	2.3	.8									3.8	7.1	7.0
140-160	.1	.9	.4									1.4	7.8	8.0
(S) 170-190		.6	.2									.9	7.8	7.5
200-220	1.2	3.7	1.4	.1								6.3	7.4	7.0
230-250	.9	6.6	1.2	.1								8.7	6.9	6.0
(W) 260-280	2.4	7.1	.6									10.1	6.0	6.0
290-310	4.2	13.1	.9									18.2	6.0	6.0
320-340	5.7	16.2	1.3		.1							23.3	5.9	6.0
VARIABLE														
CALM	////////////////////////////////////											.4	////////////////////////////////	
TOTALS	20.7	64.2	13.8	.8	.1							100.0	6.6	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.2	2.5										8.7	3.4	3.0
020-040	5.2	1.2	.9									7.2	4.2	3.0
050-070	1.6	3.5	2.5	.2								7.8	7.8	8.0
(E) 080-100	4.4	16.1	4.3	.1								24.9	7.1	7.0
110-130	1.1	4.2	.9									6.1	6.4	6.0
140-160	.6	.9										1.5	5.3	5.5
(S) 170-190	.5	1.0	.1									1.6	5.6	5.0
200-220	.9	1.7	1.0									3.5	7.1	7.0
230-250	2.2	2.8	.1									5.1	4.9	5.0
(W) 260-280	3.8	2.4	.4	.1								6.7	5.0	4.0
290-310	4.7	3.4	.1									8.3	4.4	4.0
320-340	7.6	4.2	.1									11.9	4.1	4.0
VARIABLE														
CALM	////////////////////////////////////											6.6	////////	
TOTALS	38.8	43.9	10.4	.4								100.0	5.2	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	2.3	1.2	.1									3.6	3.9	3.0
020-040	3.1	2.2	.4									5.7	4.8	4.0
050-070	2.8	6.0	2.6	.1								11.5	7.0	7.0
(E) 080-100	5.7	8.6	2.2	.1								16.6	6.1	6.0
110-130	2.3	5.1	1.0	.0								8.4	6.2	6.0
140-160	1.9	4.3	.9	.0	.0							7.2	6.4	6.0
(S) 170-190	1.3	1.8	.4	.0								3.5	5.8	5.0
200-220	1.2	3.6	2.2	.3	.1							7.4	8.3	8.0
230-250	2.0	4.1	1.0	.1								7.2	6.5	6.0
(W) 260-280	3.5	3.8	.4	.0								7.7	5.1	5.0
290-310	2.6	5.1	1.0	.0								8.7	6.1	6.0
320-340	2.6	4.7	.9	.0	.0							8.2	5.9	6.0
VARIABLE														
CALM	////////////////////											4.1	////////	
TOTALS	31.3	50.5	13.1	.6	.1							100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.1	2.2									4.3	7.0	8.0
020-040	3.2	6.5										9.7	5.2	6.0
050-070	4.3	12.9	6.5									23.7	7.3	7.0
(E) 080-100	8.6	9.7	1.1									19.4	4.5	5.0
110-130	3.2	6.5	1.1									10.8	5.9	5.0
140-160	2.2	5.4	2.2									9.7	7.3	8.0
(S) 170-190	2.2	2.2										4.3	5.8	5.5
200-220		2.2	1.1									3.2	9.3	9.0
230-250			3.2									3.2	10.7	10.0
(W) 260-280														
290-310	1.1	1.1	1.1									3.2	6.3	5.0
320-340		2.2		1.1								3.2	9.3	6.0
VARIABLE														
CALM	////////////////////											5.4	////////	
TOTALS	25.9	49.8	18.5	1.1								100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 93

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	.1										1.2	2.3	2.0
020-040	3.0	1.2	.1									4.3	3.6	3.0
050-070	7.4	5.1	1.3									13.9	4.9	4.0
(E) 080-100	11.4	8.0	.3									19.8	4.3	4.0
110-130	5.9	5.8	.7									12.3	5.0	5.0
140-160	2.1	5.6	.6									8.2	6.0	6.0
(S) 170-190	1.4	3.8	1.1									6.3	6.7	6.0
200-220	1.4	1.8	.2									3.4	5.4	5.0
230-250	1.6	1.8										3.3	4.7	5.0
(W) 260-280	4.8	1.1										5.9	3.3	4.0
290-310	2.8	1.0										3.8	3.3	3.0
320-340	.9	.1										1.0	2.6	2.0
VARIABLE														
CALM	////////////////////											16.4	////////	
TOTALS	43.8	35.4	4.3									100.0	3.9	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9											.9	1.9	2.0
020-040	3.0	1.8										4.8	3.9	3.0
050-070	8.0	4.6	.3									12.9	4.3	4.0
(E) 080-100	13.6	4.3										17.9	3.7	3.0
110-130	6.9	4.7	.1									11.7	4.3	4.0
140-160	3.4	7.7	1.6		.1	.1						12.9	6.5	6.0
(S) 170-190	2.6	3.6	.6									6.7	5.6	5.5
200-220	1.3	1.0	.1					.1				2.6	6.8	4.0
230-250	2.1	2.7										4.8	5.1	5.0
(W) 260-280	3.6	2.3										5.9	4.1	4.0
290-310	1.1	.3	.1									1.6	3.7	3.5
320-340	.3	.2										.6	3.2	3.0
VARIABLE														
CALM	////////////////////////////////////											17.0	////////	
TOTALS	46.8	33.2	2.8		.1	.1		.1				100.0	3.9	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8											.8	1.9	2.0
020-040	2.6	1.9	.2									4.7	4.2	3.5
050-070	6.9	5.8	1.6									14.2	5.1	5.0
(E) 080-100	11.8	5.4	.6									17.8	4.0	4.0
110-130	5.6	7.2	.6									13.3	5.1	5.0
140-160	4.4	8.4	1.0	.1								14.0	6.0	6.0
(S) 170-190	2.3	3.0	.7	.1								6.1	5.6	5.0
200-220	1.7	2.0	.4	.1	.1							4.3	6.4	6.0
230-250	2.0	2.8	.4				.1					5.3	5.7	5.0
(W) 260-280	3.2	1.8	.1									5.1	4.0	4.0
290-310	2.2	.8	.1									3.1	4.1	4.0
320-340	.8	.2										1.0	3.9	4.0
VARIABLE														
CALM	////////////////////////////////////											10.2	////////	
TOTALS	44.3	39.3	5.7	.3	.1		.1					100.0	4.5	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.7										1.2	4.9	5.0
020-040	.8	.9										1.7	5.1	5.0
050-070	2.2	4.0	2.3									8.6	6.8	6.0
(E) 080-100	2.2	4.2	.7									7.1	5.8	5.5
110-130	6.0	4.4	1.2									11.7	5.2	4.0
140-160	11.8	8.1	.7									20.6	4.5	4.0
(S) 170-190	7.4	6.3	.6									14.3	4.8	4.0
200-220	2.1	5.8	2.0	.2								10.1	7.0	6.0
230-250	3.6	2.2	1.1									6.9	5.6	4.0
(W) 260-280	4.1	2.4	.3									6.9	4.3	3.0
290-310	1.2	2.3	.1									3.7	5.2	6.0
320-340	1.6	1.8	.1									3.4	5.3	5.0
VARIABLE														
CALM	////////////////////////////////////											3.9	////////	
TOTALS	43.6	43.1	9.1	.2								100.0	5.1	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.7										2.0	4.2	4.0
020-040	.7	1.3										2.0	5.4	6.0
050-070	1.7	3.7	1.2									6.6	6.6	6.0
(E) 080-100	1.3	3.0	.8									5.1	6.4	6.0
110-130	2.1	1.1	.3									3.6	4.7	4.0
140-160	4.3	3.0	.1	.1								7.6	4.7	4.0
(S) 170-190	3.0	2.9	1.3									7.2	5.8	5.0
200-220	4.0	9.8	4.6	.8								19.1	7.6	8.0
230-250	8.9	5.9	2.8	.1								17.7	5.7	4.0
(W) 260-280	8.2	7.0	.3									15.6	4.7	4.0
290-310	2.9	4.4	.6	.1								8.0	5.6	6.0
320-340	1.2	2.8	.4									4.4	6.0	6.0
VARIABLE														
CALM	////////////////////////////////////											1.2	////////////////////////////////	
TOTALS	39.6	45.6	12.4	1.1								100.0	5.8	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	1.1										2.3	4.4	4.0
020-040	1.4	2.6	.1		.1							4.2	6.0	6.0
050-070	1.0	3.0	1.0	.2	.1							5.3	7.8	7.0
(E) 080-100	.8	2.8	1.4	.2								5.2	8.1	8.0
110-130	.9	1.7	.4	.1								3.1	6.6	7.0
140-160	1.4	2.2	.6			.1						4.3	6.1	5.0
(S) 170-190	1.3	1.1	.8	.1								3.3	6.4	6.0
200-220	2.1	7.4	3.2	.7								13.4	8.0	8.0
230-250	3.4	8.3	4.0	.1								15.9	7.2	7.0
(W) 260-280	7.0	7.6	.6	.1								15.2	5.2	5.0
290-310	4.4	10.2	.6									15.2	6.1	6.0
320-340	2.3	8.3	.3									11.0	6.3	7.0
VARIABLE														
CALM	////////////////////											1.3	////	////
TOTALS	27.2	56.3	13.0	1.5	.2	.1						100.0	6.5	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	.8	.1									3.8	3.4	3.0
020-040	1.9	2.1	.2	.2	.1							4.6	6.0	5.0
050-070	2.2	2.9	2.3	.4	.1							8.0	7.8	7.5
(E) 080-100	3.4	5.2	1.9		.2							10.8	6.8	6.0
110-130	1.9	2.3	1.2									5.4	6.5	6.0
140-160	1.8	1.2	.7	.2								3.9	6.3	6.0
(S) 170-190	1.2	1.0	.6									2.8	5.7	5.0
200-220	2.1	4.1	1.0	.2								7.4	6.6	6.0
230-250	2.7	6.2	.7		.1							9.7	6.1	6.0
(W) 260-280	4.3	6.9	.6									11.8	5.2	5.0
290-310	5.2	7.9	.7									13.8	5.2	5.0
320-340	6.1	7.8	.1									14.0	4.8	5.0
VARIABLE														
CALM	////////////////////////////////////											4.1	////////	
TOTALS	35.7	48.4	10.1	1.0	.5							100.0	5.6	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.9	.1										5.0	2.4	2.0
020-040	4.0	1.6										5.6	3.6	3.0
050-070	4.1	4.8	1.7	.1								10.7	6.0	6.0
(E) 080-100	7.2	7.6	1.3									16.1	5.4	5.0
110-130	4.1	4.0	.7									8.8	5.1	5.0
140-160	1.7	3.0	.7	.1								5.4	6.6	7.0
(S) 170-190	1.2	2.4	.2									3.9	6.0	6.0
200-220	2.6	2.0	.3									4.9	5.1	4.0
230-250	3.8	2.6										6.3	4.1	4.0
(W) 260-280	7.6	2.2										9.8	3.5	4.0
290-310	5.6	1.8	.1									7.4	3.8	4.0
320-340	4.4	1.2										5.7	3.1	3.0
VARIABLE														
CALM	////////////////////											10.4	////////	
TOTALS	51.2	33.3	5.0	.2								100.0	4.2	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	.4	.0									2.2	3.2	3.0
020-040	2.2	1.7	.1	.0	.0							4.0	4.6	4.0
050-070	4.2	4.2	1.5	.1	.0							10.0	5.8	5.0
(E) 080-100	6.5	5.1	.9	.0	.0							12.5	5.0	4.0
110-130	4.2	3.9	.7	.0								8.7	5.1	5.0
140-160	3.9	4.9	.7	.1	.0	.0						9.6	5.6	5.0
(S) 170-190	2.6	3.0	.7	.0								6.3	5.6	5.0
200-220	2.2	4.2	1.5	.3	.0			.0				8.2	7.1	7.0
230-250	3.5	4.1	1.1	.0	.0		.0					8.7	5.9	5.0
(W) 260-280	5.3	3.9	.2	.0								9.5	4.5	4.0
290-310	3.2	3.6	.3	.0								7.1	5.1	5.0
320-340	2.2	2.8	.1									5.1	5.0	5.0
VARIABLE														
CALM	////////////////////											8.1	////////	
TOTALS	41.7	41.8	7.8	.5								100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	1.4	1.4									4.2	6.3	8.0
020-040	2.8	9.9	1.4		1.4							15.5	7.9	7.0
050-070	7.0	4.2			1.4							12.7	6.2	4.0
(E) 080-100	2.8		2.8									5.6	5.8	6.0
110-130	7.0	4.2	8.5									19.7	7.1	6.5
140-160	4.2	4.2	2.8	2.8	1.4	1.4						16.9	11.2	9.5
(S) 170-190		1.4	1.4									2.8	10.0	10.0
200-220		1.4		1.4	1.4			1.4				5.6	21.3	20.5
230-250		1.4										1.4	9.0	9.0
(W) 260-280		1.4										1.4	7.0	7.0
290-310		2.8	1.4									4.2	7.7	6.0
320-340		1.4										1.4	7.0	7.0
VARIABLE														
CALM	////////////////////											8.5	////////////////	
TOTALS	25.2	33.7	19.7	4.2	5.6	1.4		1.4				100.0	8.0	7.0

TOTAL NUMBER OF OBSERVATIONS 71

OPERATING LOCATION "A"
USAFETAC, ASSEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4											1.4	2.0	2.0
020-040	4.5	.9	.3									5.7	3.5	3.0
050-070	6.1	4.1	.2									10.4	4.1	4.0
(E) 080-100	14.8	5.8	.2	.1								21.0	3.8	3.0
110-130	5.6	5.7	.5	.1								11.9	4.8	5.0
140-160	3.2	6.9	2.2									12.3	6.4	6.0
(S) 170-190	1.6	3.8	.5									5.9	6.2	6.0
200-220	1.5	1.5										3.0	4.7	4.5
230-250	2.9	1.6	.1									4.6	4.2	4.0
(W) 260-280	3.4	1.1										4.5	3.6	4.0
290-310	1.6	.6										2.3	3.4	3.0
320-340	1.7	.3										2.0	3.2	3.0
VARIABLE														
CALM	////////////////////////////////////											14.9	////////////////////////////////	
TOTALS	48.3	32.3	4.0	.2								100.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5											1.5	2.3	2.0
020-040	5.2	.5	.2									5.9	2.9	2.0
050-070	6.9	3.5	.1									10.5	3.7	3.5
(E) 080-100	17.8	3.7	.2									21.7	3.3	3.0
110-130	7.4	4.4	.2									12.0	4.4	4.0
140-160	2.9	8.4	1.2									12.5	6.3	6.0
(S) 170-190	1.8	3.9	.4									6.1	5.8	6.0
200-220	1.5	1.1										2.6	4.6	4.0
230-250	2.0	1.3										3.3	4.4	4.0
(W) 260-280	3.2	1.1										4.3	3.7	4.0
290-310	1.6	.5	.1									2.3	3.4	3.0
320-340	.8	.2										1.0	3.2	3.0
VARIABLE														
CALM	////////////////////											16.2	////////	
TOTALS	52.6	28.6	2.4									100.0	3.5	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.2	.1									1.5	3.2	2.0
020-040	3.3	1.3	.2									4.8	4.0	3.0
050-070	7.2	5.1	1.0									13.2	4.8	4.0
(E) 080-100	11.7	6.2	.3									18.3	4.2	4.0
110-130	8.3	7.8										16.1	4.6	4.0
140-160	4.5	8.2	.8	.1								13.5	5.7	5.5
(S) 170-190	3.3	3.3	.3									7.0	5.0	5.0
200-220	2.2	.9	.2									3.2	4.3	4.0
230-250	1.7	.8										2.5	3.7	4.0
(W) 260-280	3.1	.6	.1									3.9	3.4	3.5
290-310	1.1	.8										1.8	4.1	4.0
320-340	.9	.3										1.2	3.5	3.0
VARIABLE														
CALM	////////////////////////////////////											12.9	////////	
TOTALS	48.5	35.5	3.0	.1								100.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL HOURS: 09-11

WIND SPEED IN KNOTS															
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND	
(N) 350-010	1.1	.4										1.5	3.9	4.0	
020-040	1.4	.9	.1									2.4	4.5	4.0	
050-070	1.7	4.2	1.2	.1								7.2	6.8	6.0	
(E) 080-100	2.2	4.9	1.3									8.4	6.3	6.0	
110-130	3.2	6.8	1.0									11.0	5.9	6.0	
140-160	13.1	13.8	.3									27.2	4.6	5.0	
(S) 170-190	8.0	4.6	.5	.1								13.2	4.7	4.0	
200-220	4.5	2.6	.2	.1								7.4	4.4	4.0	
230-250	2.9	1.2	.3									4.4	4.5	3.0	
(W) 260-280	4.9	2.5										7.4	3.9	4.0	
290-310	1.3	2.4	.1	.1								3.9	5.5	6.0	
320-340	1.7	.9										2.6	4.0	4.0	
VARIABLE															
CALM	////////////////////////////////////											3.4	////////		
TOTALS	46.0	45.2	5.0	.4								100.0	4.8	5.0	
TOTAL NUMBER OF OBSERVATIONS 930															

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	.8	.9	.1									1.7	5.7	5.5
020-040	.9	1.4	.1									2.4	5.7	6.0
050-070	1.4	3.3	.4	.2								5.4	6.5	6.0
(E) 080-100	2.2	3.2	.8	.2								6.3	6.4	6.0
110-130	3.1	1.9	.3									5.4	4.8	4.0
140-160	4.2	2.9	.6									7.7	4.9	4.0
(S) 170-190	5.2	3.7	.4									9.2	4.5	4.0
200-220	5.8	9.2	1.8	.1								17.0	5.8	6.0
230-250	10.0	5.8	2.0									17.8	5.1	4.0
(W) 260-280	7.5	4.7	.4									12.7	4.5	4.0
290-310	2.8	3.2	.1									6.1	4.8	5.0
320-340	1.7	3.5	.2									5.5	5.5	5.0
VARIABLE														
CALM	////////////////////////////////////											2.7	////////////////////////////////	
TOTALS	45.6	43.7	7.2	.5								100.0	5.1	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	1.2	.3	.1								3.5	5.1	4.0
020-040	1.7	1.8	.6									4.2	5.8	5.0
050-070	1.3	2.8	1.1	.2								5.4	7.3	7.0
(E) 080-100	2.3	2.8	.9	.1								6.0	6.1	6.0
110-130	1.7	1.4	.5		.1	.1						3.9	6.7	5.0
140-160	1.6	1.9	.9	.4	.1	.1						5.1	8.0	7.0
(S) 170-190	1.4	1.8	1.0	.2								4.4	7.6	8.0
200-220	3.2	6.0	2.4	.2								11.8	6.9	6.5
230-250	5.6	7.1	1.5									14.2	5.8	5.0
(W) 260-280	5.6	7.1	.4									13.1	5.1	5.0
290-310	3.7	8.3	.2									12.2	5.5	6.0
320-340	3.2	7.3	.6									11.2	6.0	6.0
VARIABLE														
CALM	////////////////////////////////////											5.1	////////	
TOTALS	33.2	49.5	10.4	1.2	.2	.2						100.0	5.8	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.4	1.5										5.9	3.4	3.0
020-040	2.9	1.7	.4									5.1	4.9	4.0
050-070	2.4	2.8	2.5	.1	.2							8.0	7.5	6.0
(E) 080-100	5.8	4.4	1.1	.1								11.4	5.2	4.0
110-130	2.8	2.5	1.0	.1								6.4	5.9	5.0
140-160	1.1	2.7	.6	.2	.1							4.7	7.1	7.0
(S) 170-190	1.4	1.6	.2	.1	.1							3.4	5.9	5.0
200-220	2.7	2.9	.8	.1								6.5	5.9	6.0
230-250	4.1	3.3										7.4	4.6	4.0
(W) 260-280	4.2	5.3										9.5	4.6	5.0
290-310	6.5	4.7	.2									11.4	4.5	4.0
320-340	6.3	4.6										10.9	4.2	4.0
VAR. BLR														
CALM	////////////////////////////////////											9.4	////////////////////////////////	
TOTALS	44.6	38.0	6.8	.7	.4							100.0	4.7	5.0

TOTAL NUMBER OF OBSERVATIONS 928

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	.8										4.9	2.6	2.0
020-040	7.1	.3	.3									7.8	2.7	2.0
050-070	5.5	4.3	.5	.1								10.5	4.8	4.0
(E) 080-100	8.7	5.0	.4									14.1	4.4	4.0
110-130	5.9	4.6	.6									11.2	4.8	4.0
140-160	1.7	5.4	1.2	.1								8.4	6.6	6.0
(S) 170-190	2.7	1.6	.4									4.7	5.0	4.0
200-220	1.2	.6	.2	.1								2.2	5.5	4.0
230-250	3.6	2.2	.2									5.9	4.1	4.0
(W) 260-280	5.3	1.5										6.8	3.4	4.0
290-310	3.9	.9										4.7	3.4	3.5
320-340	2.9	.5										3.5	3.0	3.0
VARIABLE														
CALM	////////////////////////////////////											15.3	////////	
TOTALS	52.6	27.7	3.8	.3								100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	.6	.1	.0								2.7	3.5	3.0
020-040	3.4	1.1	.3									4.8	4.0	3.0
050-070	4.1	3.8	.9	.1	.0							8.8	5.4	5.0
(E) 080-100	8.2	4.5	.6	.1								13.4	4.5	4.0
110-130	4.8	4.4	.5	.0	.0	.0						9.7	5.0	5.0
140-160	4.0	6.3	1.0	.1	.0	.0						11.4	5.8	5.0
(S) 170-190	3.2	3.0	.5	.1	.0							6.8	5.3	5.0
200-220	2.8	3.1	.7	.1								6.7	5.6	5.0
230-250	4.1	2.9	.5									7.5	4.9	4.0
(W) 260-280	4.7	3.0	.1									7.8	4.3	4.0
290-310	2.8	2.7	.1	.0								5.6	4.7	4.0
320-340	2.4	2.2	.1									4.7	4.7	4.0
VARIABLE														
CALM	////////////////////											10.0	////////	
TOTALS	46.5	37.6	5.4	.5								100.0	4.4	4.0

TOTAL NUMBER OF OBSERVATIONS 7435

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		6.7										6.7	6.5	6.5
020-040	10.0	6.7	3.3									20.0	5.7	4.5
050-070	6.7		16.7									23.3	8.6	10.0
(E) 080-100		10.0										10.0	6.0	6.0
110-130		3.3	3.3			3.3						10.0	16.0	12.0
140-160		3.3		3.3								6.7	11.0	11.0
(S) 170-190	3.3			3.3								6.7	8.0	8.0
200-220														
230-250			3.3									3.3	14.0	14.0
(W) 260-280		3.3										3.3	8.0	8.0
290-310	3.3											3.3	2.0	2.0
320-340														
VARIABLE														
CALM	////////////////////////////////////											6.7	////////////////////////////////	
TOTALS	23.3	33.3	26.6	6.6		3.3						100.0	7.8	7.5

TOTAL NUMBER OF OBSERVATIONS 30

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: AUG HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	.2										2.5	2.0	2.0
020-040	5.5	1.4										6.9	3.1	2.0
050-070	8.3	5.2	.1									13.5	4.2	4.0
(E) 080-100	15.7	7.7	.3									23.8	4.2	4.0
110-130	5.8	4.2	.4									10.4	4.6	4.0
140-160	2.6	4.6	1.5	.2								8.9	6.5	6.0
(S) 170-190	2.2	2.3	.3	.1								4.8	5.4	5.0
200-220	2.0	.5	.1									2.7	3.9	4.0
230-250	2.8	.8	.2									3.8	3.8	3.0
(W) 260-280	3.7	.8										4.4	2.8	2.0
290-310	1.8	.4										2.3	3.0	3.0
320-340	.6	.5										1.2	3.9	4.0
VARIABLE														
CALM	////////////////////											14.8	////////	
TOTALS	53.3	28.6	2.9	.3								100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	.2										2.7	2.3	2.0
020-040	5.1	1.9										7.0	3.3	3.0
050-070	10.4	3.9	.2									14.5	3.8	3.0
(E) 080-100	17.8	5.3	.1									23.2	3.6	3.0
110-130	6.3	4.5	.1									11.0	4.2	4.0
140-160	3.4	6.0	1.3		.1							10.9	6.0	6.0
(S) 170-190	1.7	1.8	.1	.1	.2							4.0	6.1	5.0
200-220	.9	1.1	.1			.1						2.2	6.6	5.0
230-250	2.4	.8	.4									3.5	4.3	3.0
(W) 260-280	3.0	.5										3.5	2.6	2.0
290-310	.5	.2										.8	3.3	4.0
320-340	.8	.3										1.1	3.1	2.5
VARIABLE														
CALM	////////////////////											15.7	////////	
TOTALS	54.8	26.5	2.3	.1	.3	.1						100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASEEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	.4										3.1	3.0	3.0
020-040	5.4	1.4	.1									6.9	3.3	3.0
050-070	8.0	6.8	1.0									15.7	4.8	4.0
(E) 080-100	16.3	6.6	.2									23.1	3.8	4.0
110-130	5.3	7.2	.2									12.7	4.9	5.0
140-160	3.9	6.2	.9	.1								11.1	5.8	6.0
(S) 170-190	1.7	3.3	.3	.1	.2							5.7	6.5	6.0
200-220	.6	.8	.2									1.6	6.1	6.0
230-250	1.5	1.5	.3									3.3	5.3	5.0
(W) 260-280	2.4	.6										3.0	3.3	3.0
290-310	.8	.1										.9	2.8	3.0
320-340	.6		.2									.9	4.6	3.0
VARIABLE														
CALM	////////////////////////////////////											12.0	////////	
TOTALS	49.2	34.9	3.4	.2	.2							100.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	.5	.3									3.0	4.3	4.0
020-040	2.2	1.8										4.0	4.5	4.0
050-070	2.7	4.7	1.4	.2								9.0	6.6	6.0
(E) 080-100	4.5	4.6	1.1									10.2	5.7	5.0
110-130	4.3	6.8	.6									11.7	5.4	5.0
140-160	12.0	9.7	1.0									22.7	4.7	4.0
(S) 170-190	8.1	4.3	.2	.1	.1	.1						12.9	4.6	4.0
200-220	2.4	2.7	.2		.2							5.5	5.7	5.0
230-250	2.9	1.7	.3									4.9	4.6	4.0
(W) 260-280	4.6	2.0	.2									6.9	3.9	3.0
290-310	1.6	.5	.1									2.3	4.2	4.0
320-340	1.9	1.6										3.5	4.4	4.0
VARIABLE														
CALM	////////////////////											3.3	////////	
TOTALS	49.4	40.9	5.4	.3	.3	.1						100.0	4.8	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.8	.2									1.5	5.9	5.0
020-040	1.6	1.7	.3									3.7	5.1	5.0
050-070	2.6	4.0	.5	.2								7.3	5.9	5.0
(E) 080-100	1.8	2.5	.5	.1								4.9	6.1	6.0
110-130	1.7	1.9	.3									4.0	5.0	5.0
140-160	6.1	3.1	.5	.2								10.0	4.8	4.0
(S) 170-190	5.3	4.1	.8		.1	.1						10.3	5.4	4.0
200-220	5.5	6.8	1.9			.1						14.3	6.2	6.0
230-250	9.0	5.3	.6									14.9	4.4	4.0
(W) 260-280	7.4	4.2	.6	.2								12.5	4.8	4.0
290-310	3.2	4.5	.2									8.0	5.1	5.0
320-340	1.8	3.2	.4									5.5	5.6	6.0
VARIABLE														
CALM	////////////////////////////////////											3.1	////////	
TOTALS	46.5	42.1	6.8	.7	.1	.2						100.0	5.1	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	1.7	.1		.1							3.8	5.1	5.0
020-040	1.7	1.6	.8		.1							4.2	6.1	5.0
050-070	1.1	1.8	2.0	.3								5.3	8.5	8.0
(E) 080-100	1.1	2.9	.8	.2	.1							5.1	7.7	7.0
110-130	.9	1.8	.4	.2	.1							3.4	7.2	6.0
140-160	1.1	1.6	.8	.4								3.9	7.4	5.5
(S) 170-190	2.3	2.5	.9	.2	.1							5.9	6.4	5.0
200-220	2.7	7.5	1.5			.2						11.9	6.9	6.0
230-250	5.1	6.7	1.3									13.0	5.4	5.0
(W) 260-280	7.8	6.6										14.4	4.5	4.0
290-310	4.7	9.7	.6									15.1	5.6	5.5
320-340	2.6	8.1	.5	.1								11.3	6.0	6.0
VARIABLE														
CALM	////////////////////											2.8	////////	
TOTALS	32.9	52.5	9.7	1.4	.5	.2						100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	1.5										5.6	3.7	3.5
020-040	5.6	2.4	.8									8.7	4.4	4.0
050-070	2.3	4.2	1.7	.1	.1							8.4	7.1	7.0
(E) 080-100	2.4	5.5	1.4	.2	.1							9.6	6.9	6.0
110-130	1.6	2.2	1.2	.2								5.2	7.1	6.0
140-160	1.3	2.3	1.2									4.7	6.8	6.5
(S) 170-190	1.0	1.5	.6	.1	.1							3.3	7.1	6.0
200-220	2.6	2.3	.4			.3						5.6	6.2	5.0
230-250	2.9	4.1	.2									7.2	5.1	5.0
(W) 260-280	4.9	2.5	.1									7.5	4.3	4.0
290-310	4.9	5.7	.1									10.8	4.6	5.0
320-340	9.9	5.8		.1								15.8	4.2	4.0
VARIABLE														
CALM	////////////////////											7.6	////////	
TOTALS	43.5	40.0	7.7	.7	.3	.3						100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.8	.5										6.3	2.4	2.0
020-040	7.2	1.4	.2									8.8	3.5	3.0
050-070	5.6	6.0	1.0	.1								12.7	5.4	5.0
(E) 080-100	7.5	8.1	1.0									16.6	5.1	5.0
110-130	5.2	4.2	1.0									10.3	5.1	4.5
140-160	.6	3.1	.4	.1								4.3	6.8	7.0
(S) 170-190	1.3	1.3	.1	.3	.1							3.1	6.7	5.0
200-220	1.2	.9	.1									2.2	4.9	4.0
230-250	3.3	1.6										4.9	4.0	4.0
(W) 260-280	5.4	1.0										6.3	3.1	3.0
290-310	5.7	.9										6.6	3.0	3.0
320-340	2.9	1.2										4.1	3.3	3.0
VARIABLE														
CALM	////////////////////////////////////											13.8	////////////////////////////////	
TOTALS	51.7	30.2	3.8	.5	.1							100.0	3.8	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: AUG HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	.7	.1		.0							3.6	3.4	3.0
020-040	4.3	1.7	.3		.0							6.3	4.0	3.0
050-070	5.1	4.6	1.0	.1	.0							10.8	5.4	5.0
(E) 080-100	8.4	5.4	.7	.1	.0							14.6	4.7	4.0
110-130	3.9	4.1	.5	.1	.0							8.6	5.2	5.0
140-160	3.9	4.6	.9	.1	.0							9.6	5.7	5.0
(S) 170-190	2.9	2.6	.4	.1	.1	.0						6.3	5.7	5.0
200-220	2.2	2.8	.6		.0	.1						5.7	6.1	6.0
230-250	3.7	2.8	.4									7.0	4.7	4.0
(W) 260-280	4.9	2.3	.1	.0								7.3	4.0	4.0
290-310	2.9	2.8	.1									5.8	4.6	4.0
320-340	2.6	2.6	.1	.0								5.4	4.7	5.0
VARIABLE														
CALM	////////////////////											9.2	////////	
TOTALS	47.5	37.0	5.2	.5	.1	.1						100.0	4.5	4.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	2.6	2.6	2.6									7.8	7.0	6.5
020-040	1.3	2.6	1.3									5.2	6.3	5.0
050-070	5.2	10.4										15.6	5.6	6.0
(E) 080-100	3.9	7.8	2.6									14.3	6.7	6.0
110-130	3.9	7.8	2.6	1.3								15.6	7.2	6.0
140-160	1.3	7.8	3.9	1.3								14.3	8.3	8.0
(S) 170-190		3.9	2.6									6.5	9.6	9.0
200-220	1.3	2.6										3.9	5.0	5.0
230-250														
(W) 260-280	2.6											2.6	1.5	1.5
290-310														
320-340	2.6											2.6	4.0	4.0
VARIABLE														
CALM	////////////////////////////////////											11.7	////////	
TOTALS	24.7	45.5	15.6	2.6								100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 77

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	.4										3.6	2.8	2.0
020-040	6.6	6.0	.4									13.0	4.8	4.0
050-070	7.9	12.7	1.7									22.2	5.6	6.0
(E) 080-100	16.6	9.2	.3									26.1	4.1	4.0
110-130	5.2	4.3	.2									9.8	4.7	4.0
140-160	1.7	3.1	.4									5.2	6.0	6.0
(S) 170-190	.2	2.0	.6	.2	.1							3.1	8.7	8.0
200-220	.1	.4	.2	.1								.9	8.9	7.5
230-250	.6	.2										.8	4.3	4.0
(W) 260-280	1.4	.6		.3								2.3	5.5	3.0
290-310	1.8											1.8	2.4	2.0
320-340	.7	.2										.9	3.4	2.0
VARIABLE														
CALM	////////////////////											10.3	////////	
TOTALS	45.9	39.1	3.8	.6	.1							100.0	4.4	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	.8										3.2	3.5	3.0
020-040	10.6	4.3	.6									15.4	4.0	4.0
050-070	11.3	12.8	1.4									25.6	5.2	5.0
(E) 080-100	14.6	4.8										19.3	3.6	3.0
110-130	3.1	2.8	.2									6.1	4.6	4.0
140-160	1.3	3.6	.8	.1								5.8	6.5	6.0
(S) 170-190	1.4	1.1	1.1	.4								4.1	7.5	7.0
200-220	.7	.6	.1									1.3	4.9	4.5
230-250	.4	.3	.1	.1								1.0	6.6	7.0
(W) 260-280	1.8	.1		.1								2.0	3.8	3.0
290-310	.9			.1								1.0	3.4	2.0
320-340	.4	.2	.1									.8	5.0	4.0
VARIABLE														
CALM	////////////////////////////////////											14.3	////////	
TOTALS	48.9	31.4	4.4	.8								100.0	4.0	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	.7	.1									3.2	3.3	2.0
020-040	9.1	7.8	.7									17.6	4.7	4.0
050-070	10.9	14.7	2.7									28.2	5.6	6.0
(E) 080-100	13.6	7.2	.1									20.9	3.9	4.0
110-130	3.6	3.1	.3									7.0	5.0	4.0
140-160	2.0	3.2	1.7	.1								7.0	6.7	6.0
(S) 170-190	1.4	.9	.6	.1	.1	.1						3.2	7.0	5.0
200-220	.2			.1	.2							.6	12.4	17.0
230-250	.3	.3										.7	5.5	5.0
(W) 260-280	1.2	.2	.2									1.7	4.7	4.0
290-310	.4	.1										.6	3.0	2.0
320-340	.1	.3										.4	5.5	6.0
VARIABLE														
CALM	////////////////////////////////////											9.0	////////	
TOTALS	45.2	38.5	6.4	.3	.3	.1						100.0	4.6	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.7	.1									1.7	4.5	4.0
020-040	2.1	3.7	1.3	.1								7.2	6.7	6.0
050-070	4.0	13.2	6.9	.7								24.8	7.8	8.0
(E) 080-100	4.0	11.2	2.7	.1								18.0	6.7	7.0
110-130	3.9	4.9	.8	.1								9.7	5.6	5.0
140-160	6.8	7.0	1.1									14.9	5.1	5.0
(S) 170-190	4.0	3.3	.9	.3								8.6	5.8	5.0
200-220	2.3	.6	.6		.1							3.6	5.6	4.0
230-250	1.3	.4	.1									1.9	3.9	2.0
(W) 260-280	2.7	.4	.6									3.7	4.3	3.0
290-310	.8	.3										1.1	3.9	4.0
320-340	1.2	.7	.2									2.1	4.4	3.0
VARIABLE														
CALM	////////////////////											2.9	////////	
TOTALS	34.0	46.4	15.3	1.3	.1							100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	.8										2.2	4.3	4.0
020-040	2.0	2.7	1.4	.1								6.2	6.2	6.0
050-070	3.7	8.1	6.0	.2								18.0	7.8	8.0
(E) 080-100	1.9	6.1	2.4	.6								11.0	7.7	8.0
110-130	1.6	2.8	.7									5.0	5.9	6.0
140-160	3.2	3.3	.3	.1								7.0	5.2	5.0
(S) 170-190	5.1	3.2	.4		.1							8.9	5.0	4.0
200-220	4.9	4.4	1.3	.2								10.9	5.7	5.0
230-250	5.8	3.2	.2	.2	.1							9.6	4.8	4.0
(W) 260-280	7.1	2.8	.1	.1								10.1	4.2	4.0
290-310	1.7	2.1	.9									4.7	5.9	5.0
320-340	2.1	1.9	.4									4.4	5.3	5.0
VARIABLE														
CALM	////////////////////////////////////											2.0	////////	
TOTALS	40.5	41.4	14.1	1.5	.2							100.0	5.9	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	2.4	.3									5.7	4.5	4.0
020-040	1.6	3.6	1.9									7.0	7.3	7.0
050-070	2.7	5.8	5.8	.6								14.8	8.4	8.0
(E) 080-100	2.1	4.6	2.7	.2								9.6	7.8	8.0
110-130	.6	1.4	.4	.2								2.7	7.3	6.0
140-160	.8	1.6	.1	.1		.1						2.7	7.0	6.0
(S) 170-190	1.3	.7	.4									2.4	5.2	3.0
200-220	2.7	3.2	2.2	.1								8.2	6.8	6.0
230-250	4.6	4.3	.4	.3								9.7	5.5	5.0
(W) 260-280	8.3	3.0	.2	.1								11.7	3.9	4.0
290-310	4.9	7.0	1.4									13.3	5.7	5.0
320-340	4.3	5.8	.2									10.3	5.2	5.0
VARIABLE														
CALM	////////////////////											2.0	////////	
TOTALS	36.8	43.4	16.0	1.6		.1						100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.7	1.7	.3									8.7	3.7	3.0
020-040	6.1	3.4	1.1									10.7	4.7	4.0
050-070	3.3	8.2	5.3	.2								17.1	7.8	8.0
(E) 080-100	3.9	7.2	2.8	.2								14.1	6.9	7.0
110-130	1.3	1.3	1.1									3.8	6.8	6.0
140-160	.7	.9	.8									2.3	7.0	6.0
(S) 170-190	.4	.9	.6	.1								2.0	7.6	7.0
200-220	.8	1.4	.6	.2	.1							3.1	8.4	8.0
230-250	1.9	1.6	.1									3.6	4.9	4.0
(W) 260-280	2.2	1.6										3.8	4.4	4.0
290-310	4.6	3.3	.4									8.3	4.5	4.0
320-340	10.3	5.3	.6									16.2	4.2	4.0
VARIABLE														
CALM	////////////////////											6.3	////////	
TOTALS	42.2	36.8	13.7	.7	.1							100.0	5.3	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.8	.6										6.3	2.6	2.0
020-040	8.6	5.4	1.1									15.1	4.6	4.0
050-070	6.8	13.8	3.0	.1								23.7	6.2	6.0
(E) 080-100	7.4	12.2	1.0									20.7	5.5	6.0
110-130	3.4	3.0	.4		.1							7.0	5.3	5.0
140-160	.6	3.2	.2	.1								4.1	6.7	6.0
(S) 170-190	.6	1.1	.3									2.0	6.3	6.5
200-220	.3	.9	.1									1.3	6.0	6.0
230-250	.7	.4										1.1	4.1	3.5
(W) 260-280	1.7	.2	.2									2.1	3.6	3.0
290-310	3.6	.7		.2								4.4	3.4	2.5
320-340	2.0	.1		.1								2.2	2.8	2.0
VARIABLE														
CALM	////////////////////////////////////											9.9	////////	
TOTALS	41.5	41.6	6.3	.5	.1							100.0	4.7	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	1.0	.1									4.3	3.6	3.0
020-040	5.8	4.6	1.1	.0								11.5	5.1	4.0
050-070	6.3	11.2	4.1	.2								21.8	6.6	6.0
(E) 080-100	8.0	7.8	1.5	.1								17.5	5.4	5.0
110-130	2.8	3.0	.5	.0	.0							6.4	5.4	5.0
140-160	2.1	3.2	.7	.1		.0						6.1	5.9	5.0
(S) 170-190	1.8	1.7	.6	.2	.0	.0						4.3	6.3	5.0
200-220	1.5	1.4	.6	.1	.1							3.7	6.5	6.0
230-250	1.9	1.4	.1	.1	.0							3.5	5.0	4.0
(W) 260-280	3.3	1.1	.2	.1								4.7	4.2	4.0
290-310	2.3	1.7	.3	.0								4.4	4.8	4.0
320-340	2.7	1.8	.2	.0								4.7	4.5	4.0
VARIABLE														
CALM	////////////////////											7.1	////////	
TOTALS	41.7	39.9	10.0	.9	.1							100.0	5.1	5.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		1.8										1.8	5.5	5.5
020-040	4.5	5.5	.9									10.9	5.5	5.0
050-070	9.1	12.7	3.6									25.5	6.5	6.0
(E) 080-100	4.5	8.2										12.7	4.9	5.5
110-130	3.6	2.7		1.8								8.2	7.4	5.0
140-160	1.8	1.8										3.6	5.3	5.0
(S) 170-190	.9	4.5	2.7	1.8								10.0	9.7	9.0
200-220		2.7	.9	2.7	.9							7.3	12.1	12.5
230-250	2.7	2.7	1.8	.9								8.2	7.7	8.0
(W) 260-280	.9		.9	3.6								5.5	13.5	15.5
290-310	.9			.9								1.8	9.5	9.5
320-340		1.8										1.8	7.5	7.5
VARIABLE														
CALM	////////////////////											2.7	////////	
TOTALS	28.9	44.4	10.8	11.7	.9							100.0	7.3	6.0

TOTAL NUMBER OF OBSERVATIONS 110

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: OCT HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.8	2.0	.5									9.4	3.8	3.0
020-040	9.9	14.6	2.3									26.8	5.7	6.0
050-070	7.5	14.3	1.9									23.8	5.9	6.0
(E) 080-100	7.3	6.0	.4									13.8	4.7	4.0
110-130	1.8	3.0	.5									5.4	6.1	6.0
140-160	.5	1.6	.5									2.7	7.0	6.0
(S) 170-190		.9	.3									1.2	8.4	8.0
200-220	.4	.5										1.0	5.3	5.0
230-250	1.2	.4										1.6	3.7	4.0
(W) 260-280	1.2	.2										1.4	2.8	3.0
290-310	2.3											2.3	2.0	2.0
320-340	1.4	.5										1.9	3.4	2.0
VARIABLE														
CALM	////////////////////											8.9	////////	
TOTALS	40.3	44.0	6.4									100.0	4.8	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: OCT HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	7.4	4.2	.2									11.8	4.1	4.0
020-040	15.5	13.8	1.5									30.8	4.9	4.0
050-070	8.5	11.5	1.6									21.6	5.5	6.0
(E) 080-100	6.1	3.4										9.6	4.1	4.0
110-130	1.4	3.4	.2									5.1	5.8	6.0
140-160	.6	2.3	1.1									4.0	7.4	7.0
(S) 170-190	.2	.8	.2									1.2	7.7	8.0
200-220		.3	.1									.4	7.5	7.5
230-250	.8	.4	.1									1.3	4.5	4.0
(W) 260-280	1.2	.2	.1									1.5	3.4	2.0
290-310	1.2											1.2	1.9	2.0
320-340	.5	.6	.1									1.3	5.2	6.0
VARIABLE														
CALM	////////////////////////////////////											10.3	////	////
TOTALS	43.4	40.9	5.2									100.0	4.5	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.3	4.7	.1									11.2	4.4	4.0
020-040	14.5	13.3	2.6									30.4	5.2	5.0
050-070	6.7	15.5	2.6									24.7	6.2	6.0
(E) 080-100	4.7	4.2	.1									9.0	4.6	4.0
110-130	2.2	3.1	.1									5.4	5.2	5.0
140-160	1.4	3.4	1.1									5.9	6.9	7.0
(S) 170-190	.1	.6	.3									1.1	8.1	7.0
200-220	.2	.2	.2									.6	6.7	6.5
230-250	.6	.1										.8	3.9	3.0
(W) 260-280	.9	.2										1.1	2.6	2.0
290-310	.6	.1										.8	2.3	2.0
320-340	1.0	.4	.1									1.5	4.5	3.5
VARIABLE														
CALM	////////////////////////////////////											7.5	////////	
TOTALS	39.2	45.8	7.2									100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: OCT HOURS: 09-11

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.3	4.0	.2									6.5	5.8	6.0
020-040	2.0	11.1	6.3	.1								19.6	8.0	8.0
050-070	2.9	14.8	10.0	.2								28.0	8.5	8.0
(E) 080-100	1.1	7.7	2.7									11.5	7.5	7.0
110-130	1.4	4.0	.9									6.2	6.7	6.5
140-160	4.0	4.8	.9									9.7	5.5	5.0
(S) 170-190	2.5	1.9	.3	.1								4.8	5.2	4.0
200-220	1.4	.9	.4									2.7	5.5	4.0
230-250	.9	.5	.1									1.5	5.0	3.5
(W) 260-280	1.4	.6										2.0	3.8	4.0
290-310	.4	.4										.9	4.5	4.5
320-340	3.1	1.5	.4									5.1	4.6	4.0
VARIABLE														
CALM	////////////////////////////////////											1.6	////////////////////////////////	
TOTALS	23.4	52.2	22.2	.4								100.0	7.0	7.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: OCT HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	2.5	.3									3.8	6.0	6.0
020-040	1.0	7.2	2.7	.3								11.2	7.8	7.5
050-070	3.0	14.1	8.6	1.2								26.9	8.3	8.0
(E) 080-100	2.0	6.0	2.0									10.1	7.0	7.0
110-130	.5	2.0	.4									3.0	6.4	6.0
140-160	1.7	2.4	.1									4.2	5.2	5.0
(S) 170-190	3.4	1.4	.5									5.4	4.8	4.0
200-220	2.6	3.9	1.1									7.5	6.0	5.0
230-250	3.8	1.7	.3	.2								6.0	5.1	4.0
(W) 260-280	4.5	3.7		.1								8.3	4.6	4.0
290-310	1.2	4.1	.3									5.6	5.8	5.0
320-340	1.5	4.7	1.0									7.2	6.6	6.0
VARIABLE														
CALM	////////////////////											.9	////////	
TOTALS	26.2	53.7	17.3	1.8								100.0	6.6	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	2.0	.2									4.8	4.8	4.0
020-040	3.3	8.8	2.9	.2								15.3	6.9	6.0
050-070	1.8	10.1	8.1	1.1	.1							21.2	8.9	9.0
(E) 080-100	1.4	4.2	2.0	.1								7.7	7.3	7.0
110-130	.4	1.0	.4									1.8	6.9	6.0
140-160	.4	.3										.8	4.1	3.0
(S) 170-190	1.1	.6	.1	.1								1.9	4.9	4.0
200-220	1.0	4.1	.8	.1	.1							6.0	7.1	7.0
230-250	1.9	2.8	.4									5.2	5.3	5.0
(W) 260-280	4.0	2.9	.3									7.2	4.5	4.0
290-310	3.5	8.2	.2									11.9	5.5	5.0
320-340	2.9	9.9	1.9									14.7	6.7	7.0
VARIABLE														
CALM	////////////////////////////////////											1.4	////////////////////////////////	
TOTALS	24.3	54.9	17.3	1.6	.2							100.0	6.7	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.7	3.3	.2									11.3	4.1	4.0
020-040	7.3	9.1	4.1	.1								20.6	6.4	6.0
050-070	2.0	8.2	5.2	.5								15.9	8.4	8.0
(E) 080-100	2.3	6.2	1.2									9.7	6.5	7.0
110-130	.3	.3	.2	.1								1.0	6.7	6.0
140-160	.2	.1										.3	4.3	4.0
(S) 170-190	.6	.8	.2									1.6	5.5	5.0
200-220	.8	1.5	.3	.2								2.8	7.3	6.0
230-250	1.5	.8										2.3	3.9	4.0
(W) 260-280	1.8	1.2										3.0	4.1	4.0
290-310	4.5	2.4										6.9	3.9	4.0
320-340	9.4	9.9	.4									19.7	4.7	5.0
VARIABLE														
CALM	////////////////////////////////////											4.9	////////	
TOTALS	38.4	43.8	11.8	.9								100.0	5.5	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: OCT HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	9.9	4.0	.1									14.0	3.6	3.0
020-040	7.7	10.3	4.8									22.9	6.3	6.0
050-070	3.8	11.8	5.2	.1								20.9	7.4	7.5
(E) 080-100	4.7	9.8	1.1									15.6	6.0	6.0
110-130	.9	1.0	.4									2.3	6.0	5.0
140-160	.3	1.0	.1									1.4	6.2	6.0
(S) 170-190	.2	.9	.1	.1	.1							1.4	8.4	7.0
200-220	.4	.4	.1	.1	.1							1.2	8.5	6.0
230-250	1.0	.1										1.1	3.1	3.0
(W) 260-280	2.3	.2										2.5	2.4	2.0
290-310	2.2	.3										2.5	3.0	3.0
320-340	3.9	1.2	.2									5.3	3.4	3.0
VARIABLE														
CALM	////////////////////////////////////											9.1	////////	
TOTALS	37.3	41.0	12.1	.3	.2							100.0	5.2	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: OCT HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.5	3.3	.2									9.1	4.3	4.0
020-040	7.7	11.0	3.4	.1								22.2	6.1	6.0
050-070	4.5	12.5	5.4	.4	.0							22.9	7.4	7.0
(E) 080-100	3.7	6.0	1.2	.0								10.9	5.9	6.0
110-130	1.1	2.2	.4	.0								3.8	6.1	6.0
140-160	1.2	2.0	.5									3.6	6.1	6.0
(S) 170-190	1.0	1.0	.3	.0	.0							2.3	5.8	5.0
200-220	.8	1.5	.4	.1	.0							2.8	6.6	6.0
230-250	1.5	.9	.1	.0								2.5	4.7	4.0
(W) 260-280	2.2	1.2	.1	.0								3.4	4.0	4.0
290-310	2.0	1.9	.1									4.0	4.5	5.0
320-340	3.0	3.6	.5									7.1	5.3	5.0
VARIABLE														
CALM	////////////////////											5.6	////////	
TOTALS	34.2	47.1	12.6	.6								100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.4	9.8	.8									18.0	5.3	5.0
020-040	9.8	16.4	5.9	.4								32.4	6.5	6.0
050-070	1.6	12.9	2.0									16.4	7.0	7.0
(E) 080-100	2.7	7.8										10.5	5.8	6.0
110-130	1.2	2.0										3.1	4.4	5.0
140-160	.8	.8	2.0									3.5	7.6	10.0
(S) 170-190	.4	.4	.4									1.2	7.3	7.0
200-220	.4											.4	3.0	3.0
230-250	.4											.4	1.0	1.0
(W) 260-280	1.2	.4		.4								2.0	6.2	2.0
290-310	.8	.8										1.6	4.3	3.5
320-340	5.1	1.2										6.3	3.8	3.5
VARIABLE														
CALM	////////////////////////////////////											4.3	////////////////////////////////	
TOTALS	31.8	52.5	11.1	.8								100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 256

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.1	3.4	.8									10.3	4.5	4.0
020-040	9.1	10.0	1.8	.2						.1		21.2	5.7	5.0
050-070	6.3	10.6	1.8	.4								19.1	5.9	6.0
(E) 080-100	7.8	6.4	.8	.1								15.1	4.7	4.0
110-130	1.9	4.0	.3	.3								6.6	6.2	6.0
140-160	.3	3.4	.6									4.3	7.0	6.0
(S) 170-190	.9	2.0	.7	.1								3.7	7.4	7.0
200-220	1.3	1.0	.2									2.6	5.3	4.0
230-250	.9	.6	.1									1.6	4.4	4.0
(W) 260-280	1.3	.3										1.7	3.7	4.0
290-310	.6	.8										1.3	4.8	5.0
320-340	.9	2.1	.1									3.1	5.9	6.0
VARIABLE														
CALM	////////////////////											9.4	////////	
TOTALS	37.4	44.6	7.2	1.1						.1		100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.3	4.6	.4									11.3	4.4	4.0
020-040	13.0	7.7	2.2		.1							23.0	4.9	4.0
050-070	9.1	10.1	2.1									21.3	5.5	5.0
(E) 080-100	6.2	4.2	.4									10.9	4.4	4.0
110-130	2.1	3.7	.3	.2								6.3	5.9	6.0
140-160	.8	3.1	.4									4.3	6.7	7.0
(S) 170-190	1.3	1.9	.4									3.7	6.3	6.0
200-220	.1	.8	.4									1.3	7.9	8.0
230-250	.7	.9	.2									1.8	5.4	5.0
(W) 260-280	1.1	.1	.2									1.4	4.1	2.0
290-310	.4	.9	.3									1.7	6.3	6.0
320-340	.1	2.0										2.1	6.7	7.0
VARIABLE														
CALM	////////////////////											10.8	////////	
TOTALS	41.2	40.0	7.3	.2	.1							100.0	4.7	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.8	4.3	.8									10.9	4.8	4.0
020-040	11.4	11.3	1.8									24.6	5.1	5.0
050-070	10.0	12.6	3.2									25.8	5.9	6.0
(E) 080-100	5.6	4.4	.2									10.2	4.6	4.0
110-130	2.2	2.8	.4	.1								5.6	5.5	5.0
140-160	1.3	4.0	.6	.3								6.2	6.8	6.0
(S) 170-190	.4	1.4	.7									2.6	7.1	7.0
200-220	.2	.7	.3									1.2	6.9	6.0
230-250	.9	.7	.2	.1								1.9	5.6	5.0
(W) 260-280	.1	.3										.4	6.3	6.5
290-310	.9	.2	.3									1.4	5.4	4.0
320-340	.8	1.3	.4									2.6	6.4	7.0
VARIABLE														
CALM	////////////////////////////////////											6.7	////////////////////////////////	
TOTALS	39.6	44.0	8.9	.5								100.0	5.1	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	1.3	3.9	.8									6.0	6.4	6.0
020-040	3.1	9.2	3.8	.2								16.3	7.3	7.0
050-070	3.6	17.0	7.8	.8	.1							29.2	8.0	8.0
(E) 080-100	2.2	5.8	2.2	.1								10.3	7.2	8.0
110-130	1.2	6.8	1.4									9.4	7.2	8.0
140-160	3.3	5.1	1.1	.3								9.9	6.3	6.0
(S) 170-190	1.9	2.2	.9									5.0	6.3	7.0
200-220	.8	1.6	.3									2.7	6.6	7.0
230-250	.3	.4	.1	.1								1.0	7.4	6.0
(W) 260-280	.7	.6	.1									1.3	5.2	4.5
290-310	.7	1.1	.7	.1								2.6	7.4	7.0
320-340	1.3	2.1	1.4	.2								5.1	7.3	7.0
VARIABLE														
CALM	////////////////////////////////////											1.1	////////	
TOTALS	20.4	55.8	20.6	1.8	.1							100.0	7.2	7.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	2.2	.6									4.3	5.9	5.0
020-040	1.2	3.9	2.0	.3								7.4	7.8	8.0
050-070	2.2	8.7	5.4	1.2	.1							17.7	8.7	8.0
(E) 080-100	1.3	5.4	4.3	.3	.1							11.6	8.3	8.0
110-130	.4	3.4	1.8									5.7	7.9	8.0
140-160	1.3	4.7	.7	.2								8.9	6.0	6.0
(S) 170-190	2.9	2.0	.3	.2	.1							5.6	5.7	4.0
200-220	1.7	3.7	2.1									7.4	7.1	7.0
230-250	1.8	2.1	1.0	.2								5.1	6.4	5.0
(W) 260-280	5.0	2.9	.3	.1								8.3	4.7	4.0
290-310	1.6	3.2	1.3									6.1	6.9	7.0
320-340	1.3	6.2	2.9	.1								10.6	7.6	8.0
VARIABLE														
CALM	////////////////////////////////////											1.3	////////////////////////////////	
TOTALS	24.3	48.4	22.7	2.6	.3							100.0	7.1	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	1.9	.6									4.2	5.7	6.0
020-040	2.8	3.3	1.7	.2								8.0	6.5	6.0
050-070	1.7	6.6	4.3	1.0								13.6	8.9	8.5
(E) 080-100	1.9	7.1	3.3	.1								12.4	7.4	7.0
110-130	1.1	2.2	1.2									4.6	6.8	6.0
140-160	.7	1.3	.1									2.1	5.8	6.0
(S) 170-190	1.1	.8	.3									2.2	5.6	4.5
200-220	1.9	5.0	1.9									8.8	6.8	6.0
230-250	2.8	3.8	.4	.2								7.2	5.9	6.0
(W) 260-280	3.8	2.4	.8									7.0	4.7	4.0
290-310	4.9	5.9	1.1									11.9	5.5	5.0
320-340	3.7	9.1	2.9	.1								15.8	6.6	6.0
VARIABLE														
CALM	////////////////////////////////////											2.2	////////	
TOTALS	28.2	49.4	18.6	1.6								100.0	6.5	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	9.2	2.9	.4									12.6	3.9	4.0
020-040	6.2	4.9	2.1	.1								13.3	5.4	5.0
050-070	2.8	6.8	3.0	.4								13.0	7.5	7.0
(E) 080-100	4.2	6.4	.8	.1	.1							11.7	6.1	6.0
110-130	.8	.8										1.6	4.2	4.5
140-160	.8	.7										1.4	4.4	4.0
(S) 170-190	.9	1.6	.3									2.8	5.8	5.0
200-220	2.0	2.3	.1									4.4	5.3	5.0
230-250	4.2	1.3	.1									5.7	3.8	3.0
(W) 260-280	2.1	.4		.1								2.7	3.5	2.0
290-310	4.1	2.2	.7									7.0	4.8	4.0
320-340	9.8	6.3	1.6									17.7	4.8	4.0
VARIABLE														
CALM	////////////////////////////////////											6.2	////////////////////////////////	
TOTALS	47.1	36.6	9.1	.7	.1							100.0	4.9	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	9.6	1.8	.8									12.1	3.5	3.0
020-040	9.7	5.4	2.7	.2								18.0	5.2	4.0
050-070	5.4	11.4	2.2	.3								19.4	6.4	6.0
(E) 080-100	2.8	8.3	1.1	.3								12.6	6.5	6.0
110-130	2.0	2.7	.7									5.3	6.0	5.5
140-160	1.2	2.1	.3									3.7	5.4	5.0
(S) 170-190	.9	2.0	.3									3.2	6.4	6.0
200-220	1.9	1.8										3.7	4.5	4.0
230-250	1.8	.3										2.1	3.4	4.0
(W) 260-280	.4	.2										.7	3.7	3.0
290-310	1.8	1.1	.6									3.4	5.2	4.0
320-340	2.1	2.7	1.0									5.8	5.9	6.0
VARIABLE														
CALM	////////////////////////////////////											10.0	////////	
TOTALS	39.6	39.8	9.7	.8								100.0	4.9	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.2	3.1	.6									9.0	4.6	4.0
020-040	7.1	7.0	2.3	.2	.0					.0		16.5	5.7	5.0
050-070	5.1	10.5	3.7	.5	.0							19.9	7.0	6.0
(E) 080-100	4.0	6.0	1.7	.1	.0							11.8	6.2	6.0
110-130	1.5	3.3	.8	.1								5.6	6.5	6.0
140-160	1.5	3.1	.5	.1								5.1	6.3	6.0
(S) 170-190	1.3	1.7	.5	.0	.0							3.6	6.3	6.0
200-220	1.2	2.1	.7									4.0	6.3	6.0
230-250	1.7	1.3	.3	.1								3.3	5.3	4.0
(W) 260-280	1.8	.9	.2	.0								2.9	4.5	4.0
290-310	1.9	1.9	.6	.0								4.4	5.7	5.0
320-340	2.5	4.0	1.3	.1								7.8	6.2	6.0
VARIABLE														
CALM	////////////////////											6.0	////////	
TOTALS	34.8	44.9	13.2	1.2								100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	5.0	1.9									11.0	6.0	6.0
020-040	9.1	10.2	3.3									22.6	5.8	5.0
050-070	4.7	12.1	3.9									20.7	6.7	7.0
(E) 080-100	3.9	2.5	.8	1.1								8.3	6.7	5.0
110-130	1.1	1.7	.3									3.0	5.4	5.0
140-160	1.4	4.1	.8	.3								6.6	6.9	7.0
(S) 170-190	1.4	2.2	.6		.3							4.4	7.2	7.0
200-220	.6	.3	.8									1.7	7.7	9.5
230-250	.8	.3	.3									1.4	5.2	4.0
(W) 260-280	.6	.3										.8	4.3	4.0
290-310	.3	1.1										1.4	5.4	5.0
320-340	2.2	5.0	4.1	.3								11.6	7.6	8.0
VARIABLE														
CALM	////////////////////											6.6	////////	
TOTALS	30.2	44.8	16.8	1.7	.3							100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 363

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: DEC HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.2	5.3	1.0									13.4	4.8	4.0
020-040	12.3	7.7	1.8									21.8	4.6	4.0
050-070	5.8	8.4	.9									15.1	5.4	6.0
(E) 080-100	5.4	4.9	.2									10.5	4.8	4.0
110-130	3.8	3.8										7.5	4.7	4.5
140-160	1.8	2.0	.1									4.0	5.3	5.0
(S) 170-190	1.5	1.2	.5									3.2	5.4	5.0
200-220	2.2	.8	.2	.1								3.2	4.3	4.0
230-250	.6	.5										1.2	4.2	4.0
(W) 260-280	.8	.4										1.2	4.0	4.0
290-310	.8	.9	.4									2.0	6.3	5.0
320-340	1.4	2.2	.8									4.3	6.0	6.0
VARIABLE														
CALM	////////////////////////////////////											12.5	////////	
TOTALS	43.6	38.1	5.9	.1								100.0	4.3	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: DEC HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.3	6.3	1.1									14.7	5.1	5.0
020-040	11.4	10.0	.6									22.0	4.8	4.0
050-070	9.1	8.9	1.0									19.0	5.0	5.0
(E) 080-100	3.7	3.5	.4									7.6	5.2	5.0
110-130	2.9	2.0	.1									5.1	4.4	4.0
140-160	2.6	4.4	.4	.1								7.5	5.8	5.0
(S) 170-190	1.6	2.0	.3									4.0	5.2	5.0
200-220	1.2	1.1	.4									2.7	5.5	5.0
230-250	.2	.4										.6	4.8	5.5
(W) 260-280	.4	.4										.9	4.6	4.5
290-310	.1	.9	.4									1.4	8.5	9.0
320-340	1.2	1.9	.6									3.8	6.2	6.0
VARIABLE														
CALM	////////////////////											10.6	////////	
TOTALS	41.7	41.8	5.3	.1								100.0	4.6	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.9	6.8	.8									14.4	5.0	5.0
020-040	11.3	9.6	1.1									21.9	4.9	4.0
050-070	8.2	11.0	1.3									20.4	5.4	5.0
(E) 080-100	3.2	4.8	.2									8.3	5.1	5.0
110-130	2.5	2.6	.4									5.5	5.2	5.0
140-160	2.9	3.0	.4									6.3	5.2	5.0
(S) 170-190	1.3	3.0	.5									4.8	6.3	6.0
200-220	.9	.9	.2									1.9	5.3	5.5
230-250	.8	.9	.1									1.7	5.3	5.0
(W) 260-280	.2											.2	3.0	3.0
290-310	.6	.4	.5									1.6	7.8	7.0
320-340	.9	.8	1.2	.5								3.3	8.4	10.0
VARIABLE														
CALM	////////////////////											9.5	////////	
TOTALS	39.7	43.8	6.7	.5								100.0	4.8	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	7.5	1.1									11.5	6.0	6.0
020-040	2.8	9.5	3.0									15.3	7.0	7.0
050-070	4.1	15.2	5.3									24.5	7.2	7.0
(E) 080-100	1.7	5.2	1.1									8.0	6.5	6.0
110-130	1.9	4.7	1.9									8.6	7.0	7.0
140-160	4.3	5.7	1.0									11.0	5.5	5.0
(S) 170-190	2.2	2.7	1.1	.1								6.0	6.3	6.0
200-220	1.5	1.6	.2									3.3	5.3	5.0
230-250	.1	.1										.2	5.0	5.0
(W) 260-280	.5	.8	.2	.1								1.6	6.6	6.0
290-310	.3	.5	.8									1.6	7.9	8.0
320-340	1.5	1.7	1.9	.4								5.6	8.5	8.0
VARIABLE														
CALM	////////////////////////////////////											2.8	////////////////////////////////	
TOTALS	23.8	55.2	17.6	.6								100.0	6.5	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL &	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	4.9	.8									7.3	6.3	6.0
020-040	1.3	3.5	1.4									6.2	7.1	7.0
050-070	2.6	8.2	4.0	.5								15.3	7.8	8.0
(E) 080-100	1.7	3.9	2.0									7.6	7.0	7.0
110-130	1.3	3.0	2.3	.1								6.7	7.9	8.0
140-160	3.2	3.5	.4									7.2	5.2	5.0
(S) 170-190	2.5	2.3	1.0									5.7	5.9	6.0
200-220	1.9	5.6	2.7	.4								10.6	7.8	8.0
230-250	2.4	2.2	.2									4.7	4.8	4.5
(W) 260-280	5.5	1.7	.6	.1								8.0	4.5	3.5
290-310	1.7	2.7	1.6									6.0	6.7	6.0
320-340	1.7	7.3	3.9	.5								13.4	8.1	8.0
VARIABLE														
CALM	////////////////////											1.2	////////	
TOTALS	27.4	48.8	20.9	1.6								100.0	6.8	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	2.2	.5									5.4	5.0	4.5
020-040	1.6	4.2	1.1									6.9	6.3	6.0
050-070	1.7	6.6	3.2	.3	.1							11.9	8.1	8.0
(E) 080-100	1.1	5.1	1.6									7.7	7.4	7.0
110-130	2.2	2.0	.9									5.1	5.7	5.0
140-160	1.8	1.3	.1									3.2	4.5	4.0
(S) 170-190	1.0	.9	.5	.1								2.5	6.3	5.0
200-220	2.8	8.0	3.1	.1								14.0	7.0	7.0
230-250	4.3	2.3	.6									7.2	4.6	4.0
(W) 260-280	4.6	.4	.2	.1								5.4	3.5	3.0
290-310	3.3	4.3	1.6									9.2	6.0	6.0
320-340	4.5	10.0	4.4	.2								19.1	6.8	7.0
VARIABLE														
CALM	////////////////////////////////////											2.4	////////////////////////////////	
TOTALS	31.6	47.3	17.8	.8	.1							100.0	6.2	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	10.2	4.4	.5									15.2	4.1	4.0
020-040	5.3	5.3	1.1									11.6	5.2	5.0
050-070	5.4	5.1	2.0	.2								12.7	5.9	6.0
(E) 080-100	2.3	3.9	.5									6.7	5.5	5.0
110-130	1.5	1.3	.1									2.9	4.7	4.0
140-160	.3	.4										.8	5.0	6.0
(S) 170-190	1.7	2.0	.3									4.1	5.6	5.0
200-220	4.1	3.8	.5									8.4	4.9	5.0
230-250	3.8	.6										4.4	3.0	3.0
(W) 260-280	1.4	.2										1.6	3.2	3.0
290-310	3.8	1.2	.6									5.6	4.4	3.5
320-340	8.6	6.1	2.5	.1								17.3	5.2	5.0
VARIABLE														
CALM	////////////////////											8.8	////////	
TOTALS	48.4	34.3	8.1	.3								100.0	4.5	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	10.5	4.1	1.0									15.6	4.2	4.0
020-040	9.4	5.7	1.7									16.8	4.8	4.0
050-070	5.6	8.0	2.2									15.7	5.9	6.0
(E) 080-100	3.1	6.5	.9									10.4	5.9	6.0
110-130	2.3	1.9	.2									4.4	4.8	4.0
140-160	1.0	1.6	.3									2.9	5.7	5.0
(S) 170-190	2.8	2.0	.1									4.9	4.9	4.0
200-220	2.8	1.0	.1									3.9	3.8	3.0
230-250	1.5	.3										1.8	2.9	2.0
(W) 260-280	1.1	.3										1.4	3.6	3.0
290-310	1.1	.6	.2									1.9	4.8	4.0
320-340	2.0	3.0	2.5									7.5	7.2	7.0
VARIABLE														
CALM	////////////////////////////////////											12.7	////////	
TOTALS	43.2	35.0	9.2									100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: DEC HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	6.2	5.2	.8									12.2	4.9	4.0
020-040	6.9	6.9	1.5									15.3	5.3	5.0
050-070	5.3	8.9	2.5	.1	.0							16.8	6.3	6.0
(E) 080-100	2.8	4.7	.9									8.4	5.9	6.0
110-130	2.3	2.7	.7	.0								5.7	5.7	5.0
140-160	2.2	2.8	.3	.0								5.4	5.4	5.0
(S) 170-190	1.8	2.0	.6	.0								4.4	5.8	5.0
200-220	2.2	2.8	.9	.1								6.0	6.1	6.0
230-250	1.7	.9	.1									2.7	4.2	4.0
(W) 260-280	1.8	.5	.1	.0								2.5	4.2	3.5
290-310	1.5	1.4	.8									3.7	6.1	5.0
320-340	2.7	4.1	2.2	.2								9.3	6.8	6.0
VARIABLE														
CALM	////////////////////											7.6	////////	
TOTALS	37.4	42.9	11.4	.4								100.0	5.3	5.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	6.4	1.1									10.2	6.3	6.0
020-040	3.4	16.6	5.2									25.2	7.1	7.0
050-070	4.1	12.1	6.6	.2	.2							23.2	7.5	8.0
(E) 080-100	1.8	3.2										5.0	5.1	5.0
110-130	2.0	.7										2.7	3.5	3.0
140-160	2.7	2.1										4.8	4.3	4.0
(S) 170-190	1.8	2.0	.4									4.1	5.3	5.0
200-220	3.2	3.6	.4									7.1	4.9	5.0
230-250	.7	1.1	.5									2.3	7.0	6.0
(W) 260-280	.7	.4										1.1	3.8	3.5
290-310		1.3	1.6									3.0	9.8	10.0
320-340	1.3	2.9	2.1	.2								6.4	7.7	7.5
VARIABLE														
CALM	////////////////////											4.8	////////	
TOTALS	24.4	52.4	18.1	.4	.2							100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 560

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: ALL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	2.2	.4	.0	.0							6.5	4.4	4.0
020-040	4.8	4.3	1.1	.1	.0					.0		10.2	5.3	5.0
050-070	4.2	7.2	2.7	.3	.0							14.4	6.7	6.0
(E) 080-100	4.7	5.5	1.2	.1	.0	.0						11.6	5.7	5.0
110-130	2.4	3.5	.8	.0	.0	.0						6.6	5.9	6.0
140-160	2.3	3.6	.8	.1	.0	.0						6.8	6.1	6.0
(S) 170-190	1.8	2.0	.6	.1	.0	.0						4.6	6.1	5.0
200-220	1.7	3.0	1.3	.2	.0	.0		.0				6.3	7.2	7.0
230-250	2.4	2.3	.6	.1	.0	.0	.0					5.4	5.6	5.0
(W) 260-280	3.2	2.1	.3	.1	.0		.0					5.8	4.8	4.0
290-310	2.5	3.2	.9	.2	.0	.0						6.8	6.2	6.0
320-340	2.8	4.1	1.2	.1	.0							8.2	6.1	6.0
VARIABLE														
CALM	////////////////////											6.9	////////	
TOTALS	36.7	43.0	11.9	1.4								100.0	5.5	5.0

TOTAL NUMBER OF OBSERVATIONS: 87643

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	5.2	1.1	.1								10.3	5.8	6.0
020-040	5.4	10.1	3.1	.2	.0							18.8	6.5	6.0
050-070	3.9	9.9	3.8	.7	.2							18.5	7.5	7.0
(E) 080-100	2.3	4.3	.7	.2								7.6	6.1	6.0
110-130	1.9	2.8	.5	.1		.0						5.3	5.7	5.0
140-160	1.9	3.2	.8	.2	.0	.0						6.1	6.6	6.0
(S) 170-190	1.3	2.0	.7	.2	.1							4.4	7.2	7.0
200-220	1.5	2.4	.7	.3	.1			.0				5.1	7.1	6.0
230-250	1.4	1.0	.9	.1	.0							3.4	7.2	6.0
(W) 260-280	1.6	.6	.4	.2								2.7	5.5	4.0
290-310	1.0	1.5	1.2	.1								3.8	7.5	8.0
320-340	2.3	3.2	1.7	.2	.0							7.4	6.8	7.0
VARIABLE														
CALM	////////////////////											6.5	////////	
TOTALS	28.4	46.2	15.6	2.6	.4							100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS: 3343

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTT	DDDDDDDD
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	DDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRRR	TT	DD DD
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	DD DD
PP	AAAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DDDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

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PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-- "NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY RIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR
1/8 THRU 4/8.....SCATTERED
5/8 THRU 7/8.....BROKEN
8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"
HOWEVER, ARE INCLUDED.

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.2	62.7	63.9	64.6	64.8	64.8	64.9	65.1	65.1	65.3	65.3	65.3	65.5	65.5	65.5	65.5
GE 20000	62.7	65.3	66.5	67.2	67.4	67.4	67.5	67.6	67.6	67.8	67.8	67.8	68.1	68.1	68.1	68.1
GE 18000	62.7	65.3	66.5	67.2	67.4	67.4	67.5	67.6	67.6	67.8	67.8	67.8	68.2	68.2	68.2	68.2
GE 16000	62.7	65.3	66.5	67.2	67.4	67.4	67.5	67.6	67.6	67.8	67.8	67.8	68.2	68.2	68.2	68.2
GE 14000	62.9	65.5	66.7	67.4	67.6	67.6	67.7	67.8	67.8	68.1	68.1	68.1	68.4	68.4	68.4	68.4
GE 12000	63.2	65.8	67.0	67.7	68.0	68.0	68.1	68.2	68.2	68.4	68.4	68.4	68.7	68.7	68.7	68.7
GE 10000	65.9	68.6	70.0	70.8	71.0	71.0	71.1	71.2	71.2	71.4	71.4	71.4	71.7	71.7	71.7	71.7
GE 9000	66.1	68.8	70.2	71.0	71.2	71.2	71.3	71.4	71.4	71.6	71.6	71.6	71.9	71.9	71.9	71.9
GE 8000	67.0	69.7	71.1	71.9	72.2	72.2	72.3	72.4	72.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9
GE 7000	67.8	70.6	72.0	72.9	73.1	73.1	73.2	73.3	73.3	73.5	73.5	73.5	73.9	73.9	73.9	73.9
GE 6000	68.1	70.9	72.3	73.1	73.3	73.3	73.4	73.5	73.5	73.8	73.8	73.8	74.1	74.1	74.1	74.1
GE 5000	69.1	71.9	73.4	74.3	74.5	74.5	74.6	74.7	74.7	74.9	74.9	74.9	75.3	75.3	75.3	75.3
GE 4500	69.9	72.7	74.2	75.1	75.3	75.3	75.4	75.5	75.5	75.7	75.7	75.7	76.0	76.0	76.0	76.0
GE 4000	72.6	75.6	77.2	78.1	78.6	78.6	78.7	78.8	78.8	79.0	79.0	79.1	79.5	79.5	79.5	79.5
GE 3500	73.8	76.8	78.4	79.2	79.9	79.9	80.0	80.1	80.1	80.3	80.3	80.4	80.8	80.8	80.8	80.8
GE 3000	75.3	78.4	80.0	81.0	81.8	81.8	81.9	82.0	82.0	82.3	82.3	82.4	82.7	82.7	82.7	82.7
GE 2500	76.1	79.2	80.9	81.8	82.8	82.8	82.9	83.0	83.0	83.2	83.2	83.3	83.7	83.7	83.7	83.7
GE 2000	76.8	80.0	81.7	82.8	83.8	83.8	83.9	84.0	84.0	84.2	84.2	84.3	84.6	84.6	84.6	84.6
GE 1800	77.1	80.4	82.2	83.2	84.3	84.3	84.4	84.5	84.5	84.7	84.7	84.8	85.2	85.2	85.2	85.2
GE 1500	78.3	81.9	83.7	84.8	86.1	86.1	86.3	86.5	86.5	86.7	86.7	86.8	87.1	87.1	87.1	87.1
GE 1200	78.8	82.5	84.2	85.7	87.0	87.0	87.3	87.4	87.4	87.7	87.7	87.8	88.2	88.2	88.2	88.2
GE 1000	79.6	83.3	85.1	86.7	88.2	88.2	88.5	88.6	88.6	88.9	88.9	89.0	89.4	89.4	89.4	89.4
GE 900	79.7	83.4	85.2	86.8	88.3	88.3	88.6	88.7	88.7	89.0	89.0	89.1	89.5	89.5	89.5	89.5
GE 800	79.8	83.5	85.4	87.3	88.9	88.9	89.2	89.4	89.4	89.7	89.7	89.8	90.1	90.1	90.1	90.1
GE 700	79.9	83.9	85.8	88.1	90.1	90.1	90.4	90.8	90.8	91.1	91.1	91.2	91.6	91.6	91.7	91.7
GE 600	80.0	84.0	85.9	88.2	90.2	90.2	90.5	90.9	90.9	91.2	91.2	91.3	91.7	91.7	91.8	91.8
GE 500	80.1	84.1	86.3	88.8	90.9	91.2	91.6	91.9	91.9	92.3	92.3	92.4	92.8	92.8	92.9	92.9
GE 400	80.1	84.1	86.3	88.8	91.1	91.4	92.0	92.4	92.4	92.8	92.8	92.9	93.3	93.3	93.4	93.4
GE 300	80.1	84.1	86.3	88.9	91.7	92.0	93.7	94.0	94.0	94.6	94.6	94.7	95.2	95.2	95.4	95.6
GE 200	80.1	84.1	86.3	88.9	92.2	92.6	94.2	94.5	94.5	95.2	95.2	95.3	95.7	95.7	96.5	96.8
GE 100	80.1	84.1	86.3	88.9	92.2	92.6	94.3	95.1	95.1	95.7	95.7	95.8	96.2	96.2	97.4	98.1
GE 000	80.1	84.1	86.3	88.9	92.2	92.6	94.3	95.1	95.1	95.7	95.7	95.8	96.2	96.2	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.8	54.3	55.4	56.3	57.1	57.1	57.8	57.8	57.8	58.1	58.2	58.2	58.8	58.8	59.0	59.0
GE 20000	54.1	56.6	57.6	58.6	59.4	59.5	60.2	60.2	60.2	60.4	60.5	60.5	61.2	61.2	61.4	61.4
GE 18000	54.1	56.6	57.6	58.6	59.4	59.5	60.2	60.2	60.2	60.4	60.5	60.5	61.2	61.2	61.4	61.4
GE 16000	54.2	56.7	57.7	58.7	59.5	59.6	60.3	60.3	60.3	60.5	60.6	60.6	61.3	61.3	61.5	61.5
GE 14000	54.5	57.0	58.1	59.0	59.8	59.9	60.6	60.6	60.6	60.9	61.0	61.0	61.6	61.6	61.8	61.8
GE 12000	55.4	58.0	59.0	60.0	60.8	60.9	61.6	61.6	61.6	61.8	61.9	61.9	62.6	62.6	62.8	62.8
GE 10000	58.6	61.4	62.6	63.5	64.3	64.4	65.2	65.2	65.2	65.4	65.5	65.5	66.2	66.2	66.5	66.5
GE 9000	58.7	61.5	62.7	63.7	64.4	64.5	65.3	65.3	65.3	65.5	65.6	65.6	66.3	66.3	66.6	66.6
GE 8000	59.9	62.7	63.9	64.8	65.8	65.9	66.7	66.7	66.7	66.9	67.0	67.0	67.7	67.7	68.0	68.0
GE 7000	60.9	63.7	64.8	65.8	66.8	66.9	67.6	67.6	67.6	67.8	68.0	68.0	68.7	68.7	68.9	68.9
GE 6000	61.1	63.9	65.1	66.0	67.0	67.1	67.8	67.8	67.8	68.1	68.2	68.2	68.9	68.9	69.1	69.1
GE 5000	62.5	65.3	66.5	67.4	68.4	68.5	69.2	69.2	69.2	69.5	69.6	69.6	70.3	70.3	70.5	70.5
GE 4500	63.9	66.7	67.8	68.8	69.8	69.9	70.6	70.6	70.6	70.9	71.0	71.0	71.7	71.7	71.9	71.9
GE 4000	65.9	69.4	70.6	71.6	72.6	72.7	73.4	73.4	73.4	73.7	73.8	73.8	74.5	74.5	74.7	74.7
GE 3500	66.2	69.7	71.0	71.9	72.9	73.0	73.8	73.8	73.8	74.0	74.1	74.1	74.8	74.8	75.1	75.1
GE 3000	68.0	71.4	72.7	73.7	74.7	74.8	75.7	75.7	75.7	75.9	76.0	76.0	76.8	76.8	77.0	77.0
GE 2500	69.0	72.6	73.9	74.8	75.9	76.0	76.9	77.0	77.0	77.2	77.3	77.3	78.1	78.1	78.4	78.4
GE 2000	69.9	73.4	74.7	75.7	76.8	76.9	77.7	77.8	77.8	78.1	78.2	78.2	78.9	78.9	79.2	79.2
GE 1800	70.0	73.5	74.8	75.8	76.9	77.0	78.0	78.1	78.1	78.3	78.4	78.4	79.1	79.1	79.5	79.5
GE 1500	71.3	74.9	76.5	77.5	78.9	79.0	80.0	80.1	80.1	80.3	80.4	80.4	81.2	81.2	81.5	81.5
GE 1200	71.9	75.8	77.3	78.7	80.5	80.6	81.7	81.8	81.8	82.0	82.2	82.2	82.9	82.9	83.2	83.2
GE 1000	72.8	76.7	78.4	79.8	81.7	81.8	82.9	83.0	83.0	83.2	83.3	83.3	84.1	84.1	84.4	84.4
GE 900	73.1	77.1	78.9	80.3	82.3	82.4	83.4	83.5	83.5	83.8	83.9	83.9	84.6	84.6	84.9	84.9
GE 800	73.2	77.4	79.5	80.9	83.1	83.2	84.5	84.6	84.6	84.8	84.9	84.9	85.7	85.7	86.0	86.0
GE 700	73.2	77.4	79.6	81.5	83.9	84.0	85.3	85.4	85.4	85.6	85.7	85.7	86.5	86.5	86.8	86.8
GE 600	73.7	77.8	80.1	82.5	84.9	85.1	86.3	86.5	86.5	86.7	86.8	86.8	87.5	87.5	87.8	87.8
GE 500	73.9	78.3	81.3	83.8	86.3	86.5	87.7	88.0	88.0	88.2	88.3	88.3	89.0	89.0	89.6	89.6
GE 400	74.0	78.4	81.4	84.0	86.6	86.7	88.1	88.3	88.3	88.6	88.9	88.9	89.7	89.7	90.2	90.2
GE 300	74.0	78.4	81.5	84.3	87.2	87.3	89.5	90.0	90.0	90.5	90.9	90.9	91.9	91.9	92.6	92.6
GE 200	74.0	78.4	81.5	84.3	87.3	87.4	89.7	90.4	90.5	91.2	91.5	91.5	93.2	93.2	94.2	94.6
GE 100	74.0	78.4	81.5	84.3	87.3	87.4	89.7	90.6	90.8	91.6	91.9	91.9	94.1	94.1	95.8	97.6
GE 000	74.0	78.4	81.5	84.3	87.3	87.4	89.7	90.6	90.8	91.6	91.9	91.9	94.1	94.1	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM BOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.7	46.0	47.6	48.8	49.7	50.0	50.9	51.6	51.6	51.8	51.9	51.9	52.3	52.3	52.3	52.7
GE 20000	45.2	48.8	50.5	51.7	52.6	52.9	53.8	54.6	54.6	54.8	54.9	54.9	55.3	55.3	55.4	56.0
GE 18000	45.2	48.8	50.5	51.7	52.6	52.9	53.8	54.6	54.6	54.8	54.9	54.9	55.3	55.3	55.4	56.0
GE 16000	45.2	48.8	50.5	51.7	52.6	52.9	53.8	54.6	54.6	54.8	54.9	54.9	55.3	55.3	55.4	56.0
GE 14000	46.0	49.9	51.6	52.9	53.8	54.1	54.9	55.8	55.8	56.0	56.1	56.1	56.5	56.5	56.6	57.2
GE 12000	47.0	51.0	52.7	54.0	54.8	55.2	56.0	56.9	56.9	57.1	57.2	57.2	57.5	57.5	57.6	58.3
GE 10000	50.3	54.3	56.0	57.3	58.2	58.5	59.4	60.2	60.2	60.4	60.5	60.5	60.9	60.9	61.0	61.6
GE 9000	50.4	54.4	56.1	57.4	58.3	58.6	59.5	60.3	60.3	60.5	60.6	60.6	61.0	61.0	61.1	61.7
GE 8000	51.8	55.9	57.6	58.9	59.8	60.1	61.0	61.8	61.8	62.0	62.2	62.2	62.5	62.5	62.6	63.2
GE 7000	52.6	56.8	58.5	59.8	60.6	61.0	61.8	62.7	62.7	62.9	63.0	63.0	63.3	63.3	63.4	64.1
GE 6000	52.9	57.1	58.8	60.1	61.0	61.3	62.2	63.0	63.0	63.2	63.3	63.3	63.7	63.7	63.8	64.4
GE 5000	53.9	58.4	60.2	61.5	62.4	62.7	63.5	64.4	64.4	64.6	64.7	64.7	65.1	65.1	65.2	65.8
GE 4500	54.9	59.6	61.4	62.7	63.5	63.9	64.7	65.6	65.6	65.8	65.9	65.9	66.2	66.2	66.3	67.0
GE 4000	57.2	61.8	64.0	65.5	66.5	66.8	67.6	68.5	68.5	68.7	68.8	68.8	69.1	69.1	69.2	69.9
GE 3500	58.1	63.0	65.2	66.7	67.6	68.0	68.8	69.7	69.7	69.9	70.0	70.0	70.3	70.3	70.4	71.1
GE 3000	58.8	63.9	66.0	67.5	68.6	68.9	69.8	70.6	70.6	70.9	71.0	71.0	71.3	71.3	71.4	72.0
GE 2500	59.9	64.9	67.4	68.9	70.1	70.5	71.5	72.8	72.8	73.0	73.1	73.1	73.5	73.5	73.7	74.3
GE 2000	61.0	66.3	68.9	70.4	71.7	72.2	73.1	74.4	74.4	74.6	74.7	74.7	75.2	75.2	75.3	75.9
GE 1800	61.4	66.8	69.4	70.9	72.2	72.6	73.5	74.8	74.8	75.1	75.2	75.2	75.6	75.6	75.7	76.3
GE 1500	62.6	68.1	70.8	72.4	73.8	74.2	75.3	76.6	76.6	76.8	76.9	76.9	77.3	77.3	77.4	78.1
GE 1200	63.5	69.1	71.9	73.7	75.2	75.6	76.8	78.1	78.1	78.3	78.4	78.4	78.8	78.8	78.9	79.6
GE 1000	64.2	70.2	73.3	75.1	76.7	77.1	78.3	79.6	79.6	79.9	80.0	80.0	80.4	80.4	80.5	81.2
GE 900	64.9	71.3	74.6	76.6	78.5	78.9	80.1	81.4	81.4	81.7	81.8	81.8	82.3	82.3	82.4	83.0
GE 800	65.3	71.6	75.4	77.3	79.4	79.8	81.0	82.3	82.3	82.6	82.7	82.7	83.1	83.1	83.2	83.9
GE 700	65.7	72.4	76.1	78.1	80.2	80.6	81.8	83.1	83.1	83.7	83.8	83.8	84.2	84.2	84.3	84.9
GE 600	65.8	72.5	76.3	78.5	80.6	81.2	82.5	83.9	83.9	84.5	84.6	84.6	85.1	85.1	85.2	85.8
GE 500	65.9	72.6	76.7	79.1	81.7	82.3	83.5	85.1	85.1	85.8	85.9	85.9	86.3	86.3	86.5	87.2
GE 400	65.9	72.6	76.9	79.4	82.0	82.6	84.1	85.7	85.7	86.5	86.6	86.6	87.0	87.0	87.1	87.8
GE 300	65.9	72.9	77.5	80.2	83.1	83.7	85.6	87.5	87.6	88.6	88.7	88.7	89.4	89.4	89.6	90.3
GE 200	66.0	73.0	77.6	80.3	83.3	83.9	86.0	88.3	88.4	89.6	89.9	90.0	90.9	90.9	92.4	93.5
GE 100	66.0	73.0	77.6	80.3	83.3	83.9	86.0	88.3	88.4	89.7	90.2	90.3	91.6	91.7	93.9	97.3
GE 000	66.0	73.0	77.6	80.3	83.3	83.9	86.0	88.4	88.5	89.8	90.3	90.4	91.7	91.8	94.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.2	50.4	52.9	53.9	54.5	54.6	54.7	54.7	54.9	55.1	55.1	55.1	55.1	55.1	55.3	55.4
GE 20000	50.2	56.3	59.0	60.0	60.9	61.0	61.3	61.3	61.5	61.6	61.7	61.7	61.7	61.7	61.9	62.0
GE 18000	50.4	56.6	59.2	60.2	61.1	61.2	61.5	61.5	61.7	61.8	61.9	61.9	61.9	61.9	62.2	62.3
GE 16000	50.4	56.6	59.2	60.2	61.1	61.2	61.5	61.5	61.7	61.8	61.9	61.9	61.9	61.9	62.2	62.3
GE 14000	51.0	57.3	60.0	61.0	61.8	61.9	62.3	62.3	62.5	62.6	62.7	62.7	62.7	62.7	62.9	63.0
GE 12000	51.3	57.6	60.4	61.4	62.3	62.4	62.7	62.7	62.9	63.0	63.1	63.1	63.1	63.1	63.3	63.4
GE 10000	53.2	59.8	62.6	63.5	64.4	64.5	64.8	64.8	65.1	65.2	65.3	65.3	65.3	65.3	65.5	65.6
GE 9000	53.7	60.2	63.1	64.1	64.9	65.1	65.4	65.4	65.6	65.7	65.8	65.8	65.8	65.8	66.0	66.1
GE 8000	55.8	62.6	65.6	66.7	67.5	67.6	68.0	68.0	68.2	68.3	68.4	68.4	68.4	68.4	68.6	68.7
GE 7000	56.1	62.9	65.9	67.0	67.8	68.0	68.3	68.3	68.5	68.6	68.7	68.7	68.7	68.7	68.9	69.0
GE 6000	56.2	63.0	66.0	67.1	68.0	68.1	68.4	68.4	68.6	68.7	68.8	68.8	68.8	68.8	69.0	69.1
GE 5000	57.2	64.0	67.0	68.1	69.0	69.1	69.6	69.7	69.9	70.0	70.1	70.1	70.1	70.1	70.3	70.4
GE 4500	58.1	64.9	68.0	69.0	70.0	70.1	70.5	70.6	70.9	71.0	71.1	71.1	71.1	71.1	71.3	71.4
GE 4000	59.6	66.9	70.2	71.6	72.7	72.8	73.2	73.3	73.5	73.7	73.8	73.8	73.8	73.8	74.0	74.1
GE 3500	60.4	68.1	71.4	73.0	74.1	74.2	74.6	74.7	74.9	75.1	75.2	75.2	75.2	75.2	75.4	75.5
GE 3000	61.1	68.8	72.3	74.0	75.4	75.5	76.0	76.1	76.3	76.6	76.7	76.7	76.7	76.7	76.9	77.0
GE 2500	62.0	69.8	73.5	75.6	77.0	77.1	77.6	77.7	78.0	78.2	78.3	78.3	78.3	78.3	78.5	78.6
GE 2000	63.3	71.4	75.3	77.4	78.8	78.9	79.7	79.8	80.0	80.3	80.4	80.4	80.5	80.5	80.8	80.9
GE 1800	63.5	71.6	75.5	77.6	79.0	79.1	79.9	80.0	80.2	80.5	80.6	80.6	80.8	80.8	81.0	81.1
GE 1500	64.3	72.6	76.5	78.7	80.2	80.3	81.1	81.2	81.4	81.7	81.8	81.8	81.9	81.9	82.2	82.3
GE 1200	65.3	74.3	78.3	80.6	82.2	82.5	83.3	83.5	83.8	84.2	84.3	84.3	84.4	84.4	84.6	84.7
GE 1000	65.6	74.7	78.9	81.8	83.3	83.8	84.6	84.8	85.1	85.5	85.6	85.6	85.7	85.7	85.9	86.2
GE 900	65.9	75.4	79.9	82.9	84.4	84.8	85.7	85.9	86.1	86.6	86.7	86.7	86.8	86.8	87.0	87.3
GE 800	65.9	75.4	79.9	82.9	84.4	84.8	85.7	85.9	86.1	86.6	86.7	86.7	86.8	86.8	87.0	87.3
GE 700	66.8	76.6	81.2	84.2	85.9	86.5	87.4	87.6	87.8	88.3	88.4	88.4	88.5	88.5	88.7	89.0
GE 600	66.9	76.8	81.4	84.4	86.3	87.1	88.2	88.4	88.6	89.1	89.2	89.2	89.4	89.4	89.6	89.9
GE 500	67.0	77.2	81.9	84.9	87.3	88.2	89.7	90.4	90.6	91.2	91.3	91.3	91.4	91.4	91.6	91.9
GE 400	67.0	77.2	81.9	85.1	87.6	88.6	90.6	91.4	91.6	92.3	92.4	92.4	92.5	92.5	92.7	93.0
GE 300	67.1	77.3	82.4	85.6	88.2	89.1	91.4	92.6	92.9	94.2	94.4	94.5	94.8	94.8	95.1	95.4
GE 200	67.1	77.3	82.4	85.6	88.2	89.1	91.6	92.9	93.2	94.7	95.2	95.5	96.0	96.0	96.5	97.1
GE 100	67.1	77.3	82.4	85.6	88.2	89.1	91.6	92.9	93.2	94.7	95.3	95.6	96.5	96.5	97.4	99.2
GE 000	67.1	77.3	82.4	85.6	88.2	89.1	91.6	92.9	93.2	94.7	95.3	95.6	96.5	96.5	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

D - 2 - 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.7	59.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 20000	64.7	68.9	70.0	70.1	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 18000	64.9	69.1	70.2	70.3	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 16000	65.2	69.4	70.4	70.5	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 14000	65.3	69.5	70.5	70.6	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 12000	66.6	70.9	71.9	72.2	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 10000	68.6	73.1	74.2	74.5	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 9000	69.2	73.8	74.8	75.2	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 8000	72.3	76.8	77.8	78.2	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 7000	72.5	77.0	78.1	78.5	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 6000	72.5	77.0	78.1	78.5	78.8	78.8	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 5000	73.5	78.4	79.6	80.1	80.4	80.4	80.4	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 4500	74.3	79.1	80.3	80.9	81.2	81.2	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 4000	76.5	81.5	83.0	83.5	83.9	83.9	83.9	84.0	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 3500	77.0	82.0	83.9	84.4	84.7	84.7	84.7	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 3000	78.0	83.4	85.6	86.1	86.6	86.6	86.6	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 2500	78.3	83.9	86.2	87.0	87.5	87.6	87.6	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 2000	80.0	85.7	88.1	88.9	89.6	89.7	89.7	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 1800	80.2	86.0	88.4	89.2	89.9	90.0	90.0	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 1500	81.9	87.7	90.3	91.3	91.9	92.0	92.0	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 1200	82.8	88.6	91.4	92.4	93.0	93.1	93.2	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1000	83.3	89.2	92.3	93.4	94.3	94.4	94.5	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 900	83.4	89.4	92.4	93.5	94.4	94.5	94.6	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 800	83.5	89.5	92.6	94.0	94.8	94.9	95.1	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 700	83.7	89.8	92.9	94.3	95.2	95.3	95.4	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 600	83.7	89.8	92.9	94.4	95.3	95.4	95.5	95.9	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 500	83.8	89.9	93.4	94.9	96.1	96.2	96.5	96.9	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 400	83.8	90.0	93.9	95.5	97.1	97.2	97.5	98.2	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 300	83.8	90.0	93.9	95.5	97.3	97.4	98.1	98.8	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	83.8	90.0	93.9	95.5	97.3	97.4	98.1	98.8	99.0	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 100	83.8	90.0	93.9	95.5	97.3	97.4	98.1	98.8	99.0	99.8	99.8	99.8	99.8	99.9	100.0	100.0
GE 000	83.8	90.0	93.9	95.5	97.3	97.4	98.1	98.8	99.0	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.2	59.8	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 20000	68.2	70.4	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 18000	68.6	71.1	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 16000	68.7	71.2	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 14000	69.0	71.5	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 12000	70.5	73.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 10000	72.4	75.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 9000	73.1	75.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 8000	77.0	80.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 7000	78.0	81.1	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 6000	78.5	81.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 5000	79.7	82.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 4500	80.1	83.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 4000	82.8	86.2	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 3500	84.7	88.2	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 3000	85.6	89.0	90.3	90.4	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 2500	86.9	90.3	91.6	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 2000	88.1	91.5	92.9	93.1	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1800	88.6	92.0	93.4	93.7	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1500	89.6	93.1	94.5	94.7	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1200	89.9	93.4	94.9	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1000	90.2	93.9	95.4	95.6	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 900	90.4	94.1	95.6	95.8	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 800	90.5	94.2	95.7	95.9	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 700	90.6	94.6	96.3	96.6	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 600	90.6	94.6	96.5	96.9	97.6	97.8	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 500	90.8	94.8	96.8	97.2	98.3	98.5	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	90.8	94.8	96.9	97.3	98.4	98.6	98.9	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	90.8	94.8	96.9	97.3	98.4	98.6	99.0	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	90.8	94.8	96.9	97.3	98.4	98.6	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.8	94.8	96.9	97.3	98.4	98.6	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	90.8	94.8	96.9	97.3	98.4	98.6	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	66.3	67.6	67.8	67.8	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 20000	72.3	74.0	74.3	74.4	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 18000	72.3	74.0	74.3	74.4	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 16000	72.4	74.1	74.4	74.5	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 14000	72.8	74.6	74.9	75.1	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 12000	73.4	75.3	75.6	75.7	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 10000	75.6	77.7	78.2	78.3	78.4	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 9000	76.5	78.7	79.2	79.4	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 8000	79.0	81.3	81.8	81.9	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 7000	80.0	82.3	82.8	82.9	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 6000	80.1	82.5	83.1	83.3	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 5000	81.5	83.9	84.5	84.7	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 4500	81.8	84.2	84.8	85.2	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 4000	84.6	87.2	87.8	88.2	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 3500	85.4	88.0	88.9	89.2	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 3000	86.5	89.4	90.3	90.6	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 2500	86.5	89.5	90.5	90.9	91.4	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 2000	87.5	90.6	91.8	92.2	92.8	92.9	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1800	87.6	90.8	91.9	92.3	92.9	93.0	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1500	88.3	91.4	92.9	93.2	94.0	94.1	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1200	89.4	92.5	94.0	94.3	95.1	95.2	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1000	89.4	92.5	94.0	94.3	95.1	95.2	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 900	90.0	93.3	94.8	95.2	95.9	96.0	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 800	90.1	93.7	95.3	95.6	96.7	96.8	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 700	90.4	94.1	95.8	96.2	97.5	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 600	90.4	94.4	96.1	96.8	98.3	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	90.4	94.4	96.2	96.9	98.5	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	90.4	94.4	96.2	96.9	98.5	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	90.4	94.5	96.5	97.1	98.8	98.9	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	90.4	94.5	96.5	97.1	98.8	98.9	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	90.4	94.5	96.5	97.1	98.8	98.9	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 000	90.4	94.5	96.5	97.1	98.8	98.9	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	64.2	65.9	66.6	67.1	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 20000	68.8	71.0	71.7	72.3	72.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 18000	68.8	71.0	71.7	72.3	72.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 16000	68.8	71.0	71.7	72.3	72.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 14000	68.9	71.1	71.8	72.4	72.5	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 12000	69.2	71.4	72.2	72.7	72.8	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 10000	71.3	73.5	74.3	74.8	74.9	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 9000	71.6	73.9	74.6	75.2	75.3	75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 8000	72.4	74.7	75.5	76.0	76.1	76.2	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 7000	73.0	75.4	76.1	76.7	76.8	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 6000	73.3	75.8	76.7	77.2	77.3	77.4	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 5000	75.1	77.5	78.5	79.1	79.2	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 4500	76.5	79.0	80.0	80.6	80.8	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 4000	79.2	82.0	83.1	83.8	84.1	84.3	84.5	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE 3500	80.5	83.3	84.5	85.3	85.6	85.8	86.0	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2
GE 3000	81.8	84.7	86.0	86.8	87.1	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7
GE 2500	82.0	84.9	86.2	87.1	87.4	87.6	87.8	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1
GE 2000	82.4	85.3	86.6	87.4	87.7	88.1	88.3	88.4	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.5
GE 1800	82.7	85.6	86.9	87.8	88.2	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9
GE 1500	84.5	87.5	88.9	90.0	90.3	90.6	90.9	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1
GE 1200	84.9	88.0	89.4	90.4	90.8	91.1	91.3	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5
GE 1000	85.4	88.4	89.8	90.9	91.2	91.6	91.8	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0
GE 900	85.5	88.5	90.0	91.2	91.6	92.0	92.4	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6
GE 800	86.1	89.1	90.8	92.2	92.6	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5
GE 700	86.3	89.5	91.3	92.8	93.3	94.1	94.4	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6
GE 600	86.3	89.5	91.3	92.8	93.4	94.2	94.6	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8
GE 500	86.6	89.8	91.8	93.3	94.1	94.8	95.6	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8
GE 400	86.6	89.8	91.9	93.7	94.7	95.5	96.5	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7
GE 300	86.6	89.8	91.9	93.8	95.4	96.1	97.8	98.0	98.0	98.0	98.0	98.0	98.2	98.2	98.2	98.5
GE 200	86.6	89.8	91.9	93.8	95.5	96.2	98.0	98.1	98.1	98.1	98.4	98.4	98.7	98.7	98.7	99.1
GE 100	86.6	89.8	91.9	93.8	95.5	96.2	98.0	98.2	98.2	98.2	98.5	98.5	98.8	98.8	98.8	99.4
GE 000	86.6	89.8	91.9	93.8	95.5	96.2	98.0	98.2	98.2	98.2	98.5	98.5	98.8	98.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

D - 2 - 8

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.5	58.2	59.3	59.9	60.2	60.3	60.5	60.6	60.7	60.8	60.8	60.8	61.0	61.0	61.0	61.1
GE 20000	60.8	63.9	65.1	65.7	66.1	66.1	66.4	66.5	66.6	66.7	66.7	66.7	66.9	66.9	66.9	67.0
GE 18000	60.9	64.0	65.2	65.8	66.2	66.3	66.5	66.7	66.7	66.8	66.9	66.9	67.0	67.0	67.1	67.2
GE 16000	60.9	64.1	65.3	65.9	66.3	66.4	66.6	66.8	66.8	66.9	66.9	66.9	67.1	67.1	67.2	67.3
GE 14000	61.3	64.5	65.8	66.3	66.7	66.8	67.1	67.2	67.2	67.3	67.4	67.4	67.5	67.5	67.6	67.7
GE 12000	62.1	65.4	66.6	67.2	67.6	67.7	67.9	68.1	68.1	68.2	68.3	68.3	68.4	68.4	68.5	68.6
GE 10000	64.5	68.0	69.2	69.9	70.3	70.3	70.6	70.8	70.8	70.9	70.9	70.9	71.1	71.1	71.2	71.3
GE 9000	64.9	68.4	69.7	70.3	70.7	70.8	71.1	71.2	71.3	71.4	71.4	71.4	71.6	71.6	71.6	71.7
GE 8000	66.9	70.5	71.8	72.4	72.9	73.0	73.2	73.4	73.4	73.5	73.5	73.5	73.7	73.7	73.8	73.9
GE 7000	67.6	71.2	72.5	73.2	73.6	73.7	74.0	74.1	74.2	74.3	74.3	74.3	74.5	74.5	74.5	74.6
GE 6000	67.8	71.5	72.8	73.5	74.0	74.0	74.3	74.5	74.5	74.6	74.7	74.7	74.8	74.8	74.9	75.0
GE 5000	69.1	72.8	74.2	74.9	75.4	75.5	75.7	75.9	75.9	76.0	76.1	76.1	76.3	76.3	76.3	76.4
GE 4500	69.9	73.7	75.1	75.8	76.3	76.4	76.7	76.8	76.9	77.0	77.0	77.0	77.2	77.2	77.3	77.4
GE 4000	72.3	76.3	77.9	78.7	79.3	79.4	79.7	79.9	79.9	80.0	80.1	80.1	80.3	80.3	80.3	80.4
GE 3500	73.3	77.4	79.1	79.9	80.5	80.6	80.9	81.0	81.1	81.2	81.3	81.3	81.5	81.5	81.5	81.6
GE 3000	74.4	78.6	80.4	81.3	82.0	82.1	82.4	82.6	82.6	82.8	82.8	82.8	83.0	83.0	83.1	83.2
GE 2500	75.1	79.4	81.3	82.2	83.0	83.1	83.5	83.7	83.8	83.9	83.9	84.0	84.2	84.2	84.2	84.3
GE 2000	76.1	80.5	82.5	83.5	84.3	84.5	84.9	85.1	85.1	85.3	85.3	85.3	85.6	85.6	85.6	85.7
GE 1800	76.4	80.8	82.8	83.8	84.7	84.8	85.2	85.5	85.5	85.6	85.7	85.7	85.9	85.9	86.0	86.1
GE 1500	77.6	82.2	84.2	85.3	86.3	86.5	86.9	87.2	87.2	87.3	87.4	87.4	87.6	87.6	87.7	87.8
GE 1200	78.3	83.0	85.2	86.4	87.4	87.6	88.1	88.4	88.4	88.6	88.6	88.6	88.8	88.8	88.9	89.0
GE 1000	78.8	83.6	85.9	87.2	88.3	88.5	89.0	89.3	89.3	89.5	89.6	89.6	89.8	89.8	89.9	90.0
GE 900	79.1	84.1	86.4	87.8	89.0	89.2	89.7	90.0	90.0	90.2	90.3	90.3	90.5	90.5	90.6	90.7
GE 800	79.3	84.3	86.8	88.3	89.6	89.8	90.3	90.6	90.6	90.8	90.9	90.9	91.1	91.1	91.2	91.3
GE 700	79.6	84.8	87.4	89.0	90.4	90.7	91.3	91.6	91.6	91.8	91.9	91.9	92.1	92.1	92.2	92.3
GE 600	79.7	84.9	87.6	89.3	90.8	91.2	91.8	92.1	92.2	92.5	92.5	92.5	92.7	92.7	92.8	93.0
GE 500	79.8	85.1	88.1	89.9	91.7	92.0	92.8	93.2	93.3	93.6	93.6	93.6	93.8	93.8	94.0	94.1
GE 400	79.8	85.2	88.2	90.1	92.0	92.4	93.3	93.8	93.9	94.3	94.3	94.3	94.6	94.6	94.7	94.8
GE 300	79.8	85.2	88.4	90.3	92.5	92.9	94.3	95.0	95.1	95.6	95.7	95.7	96.1	96.1	96.2	96.4
GE 200	79.8	85.2	88.4	90.3	92.6	93.0	94.5	95.3	95.4	96.0	96.2	96.3	96.8	96.8	97.2	97.6
GE 100	79.8	85.2	88.4	90.3	92.6	93.0	94.5	95.4	95.5	96.2	96.4	96.5	97.1	97.1	97.9	98.9
GE 000	79.8	85.2	88.4	90.3	92.6	93.0	94.5	95.4	95.5	96.2	96.4	96.5	97.1	97.2	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: FEB HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	62.1	63.4	63.6	63.8	63.9	63.9	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
GE 20000	66.0	67.3	67.5	67.7	67.8	67.8	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4
GE 18000	66.7	68.0	68.2	68.4	68.6	68.6	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1
GE 16000	66.8	68.1	68.3	68.6	68.7	68.7	69.1	69.1	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3
GE 14000	66.8	68.1	68.3	68.6	68.7	68.7	69.1	69.1	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3
GE 12000	67.5	68.8	69.0	69.3	69.4	69.4	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0
GE 10000	69.0	70.3	70.6	70.8	70.9	70.9	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5
GE 9000	69.4	70.7	70.9	71.2	71.3	71.3	71.7	71.7	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9
GE 8000	72.5	73.9	74.1	74.3	74.6	74.6	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2
GE 7000	73.0	74.6	74.9	75.2	75.4	75.4	75.9	75.9	75.9	75.9	76.0	76.0	76.1	76.1	76.1	76.1
GE 6000	73.5	75.3	75.7	75.9	76.1	76.1	76.6	76.6	76.6	76.6	76.7	76.7	76.8	76.8	76.8	76.8
GE 5000	74.5	76.2	76.6	76.8	77.2	77.2	77.7	77.7	77.7	77.7	77.8	77.8	77.9	77.9	77.9	77.9
GE 4500	75.5	77.4	77.8	78.0	78.4	78.4	78.8	78.8	78.8	78.8	79.0	79.0	79.1	79.1	79.1	79.1
GE 4000	78.5	80.5	81.0	81.2	81.6	81.6	82.0	82.0	82.0	82.0	82.2	82.2	82.3	82.3	82.3	82.3
GE 3500	79.6	81.6	82.5	82.7	83.1	83.1	83.6	83.6	83.6	83.6	83.7	83.7	83.8	83.8	83.8	83.8
GE 3000	80.9	83.1	84.0	84.3	84.8	84.8	85.2	85.2	85.2	85.2	85.3	85.3	85.5	85.5	85.5	85.5
GE 2500	82.3	84.5	85.6	85.8	86.5	86.5	87.0	87.0	87.0	87.0	87.1	87.1	87.2	87.2	87.2	87.2
GE 2000	83.3	85.6	86.8	87.0	87.7	87.7	88.2	88.2	88.2	88.2	88.3	88.3	88.4	88.4	88.4	88.4
GE 1800	83.5	85.8	87.1	87.4	88.1	88.1	88.5	88.5	88.5	88.5	88.7	88.7	88.8	88.8	88.8	88.8
GE 1500	84.8	87.1	88.8	89.0	89.7	89.7	90.2	90.2	90.2	90.2	90.3	90.3	90.4	90.4	90.4	90.4
GE 1200	85.6	87.9	89.7	90.4	91.1	91.1	91.6	91.6	91.6	91.6	91.7	91.7	91.8	91.8	91.8	91.8
GE 1000	86.8	89.2	91.3	92.0	92.7	92.7	93.1	93.1	93.1	93.1	93.3	93.3	93.4	93.4	93.4	93.4
GE 900	87.1	89.7	91.7	92.9	93.9	93.9	94.3	94.3	94.3	94.3	94.4	94.4	94.6	94.6	94.6	94.6
GE 800	87.5	90.1	92.2	93.4	94.3	94.3	94.8	94.8	94.8	94.8	94.9	94.9	95.0	95.0	95.0	95.0
GE 700	87.6	90.3	92.4	93.6	94.6	94.7	95.3	95.3	95.3	95.3	95.4	95.4	95.5	95.5	95.5	95.5
GE 600	87.6	90.3	92.6	94.0	94.9	95.0	95.6	95.6	95.6	95.6	95.7	95.7	95.9	95.9	95.9	95.9
GE 500	87.6	90.4	92.7	94.3	95.5	95.6	96.3	96.3	96.3	96.3	96.5	96.5	96.6	96.6	96.6	96.6
GE 400	87.6	90.4	92.8	94.6	95.9	96.0	96.7	96.7	96.7	96.7	96.8	96.8	96.9	96.9	96.9	96.9
GE 300	87.7	90.5	92.9	94.7	96.0	96.1	96.9	96.9	96.9	96.9	97.0	97.0	97.4	97.4	97.4	97.4
GE 200	87.8	90.9	93.3	95.0	96.3	96.5	97.3	97.4	97.4	97.4	97.6	97.8	97.8	98.3	98.3	98.5
GE 100	87.8	90.9	93.3	95.2	96.5	96.6	97.4	97.5	97.5	97.5	97.8	97.9	97.9	98.5	98.5	99.1
GE 000	87.8	90.9	93.3	95.2	96.5	96.6	97.4	97.5	97.5	97.8	97.9	97.9	98.6	98.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: FEB HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	54.4	56.5	57.7	58.0	58.5	58.6	58.6	58.6	58.6	58.7	59.0	59.1	59.3	59.3	59.3	59.5
GE 20000	58.3	60.6	61.8	62.4	63.0	63.1	63.1	63.1	63.1	63.2	63.5	63.6	63.8	63.8	63.8	63.9
GE 18000	58.4	60.8	61.9	62.5	63.1	63.2	63.2	63.2	63.2	63.4	63.6	63.7	63.9	63.9	63.9	64.1
GE 16000	58.4	60.8	61.9	62.5	63.1	63.2	63.2	63.2	63.2	63.4	63.6	63.7	63.9	63.9	63.9	64.1
GE 14000	58.5	60.9	62.1	62.6	63.2	63.4	63.4	63.4	63.4	63.5	63.7	63.8	64.1	64.1	64.1	64.2
GE 12000	59.2	61.6	62.8	63.4	63.9	64.1	64.1	64.1	64.1	64.2	64.4	64.5	64.8	64.8	64.8	64.9
GE 10000	60.8	63.2	64.4	65.1	65.7	65.8	65.8	66.1	66.1	66.2	66.4	66.5	66.8	66.8	66.8	66.9
GE 9000	61.2	63.8	65.0	65.7	66.3	66.4	66.4	66.7	66.7	66.8	67.0	67.1	67.4	67.4	67.4	67.5
GE 8000	63.1	66.1	67.4	68.1	68.7	68.8	68.8	69.0	69.0	69.1	69.4	69.5	69.7	69.7	69.7	69.9
GE 7000	63.5	66.4	67.7	68.4	69.0	69.1	69.1	69.4	69.4	69.5	69.7	69.9	70.1	70.1	70.1	70.2
GE 6000	64.1	67.1	68.7	69.4	70.0	70.1	70.1	70.3	70.3	70.4	70.7	70.8	71.0	71.0	71.0	71.2
GE 5000	65.6	68.7	70.2	71.0	71.9	72.0	72.1	72.3	72.3	72.5	72.7	72.8	73.0	73.0	73.0	73.2
GE 4500	67.1	70.2	71.7	72.7	73.5	73.6	73.8	74.0	74.0	74.1	74.3	74.5	74.7	74.7	74.7	74.8
GE 4000	70.8	74.0	75.8	76.8	77.8	77.9	78.0	78.3	78.3	78.4	78.6	78.7	79.0	79.0	79.0	79.1
GE 3500	71.9	75.1	76.8	77.9	78.8	79.0	79.1	79.4	79.4	79.6	79.8	79.9	80.1	80.1	80.1	80.3
GE 3000	73.9	77.2	79.2	80.3	81.2	81.3	81.4	81.8	81.8	81.9	82.2	82.3	82.5	82.5	82.5	82.6
GE 2500	74.9	78.3	80.4	81.4	82.5	82.6	83.0	83.3	83.3	83.5	83.7	83.8	84.0	84.0	84.0	84.2
GE 2000	75.9	79.3	81.7	82.7	83.8	84.0	84.4	84.8	84.8	84.9	85.1	85.2	85.5	85.5	85.5	85.6
GE 1800	76.0	79.4	81.8	83.0	84.0	84.3	84.6	85.0	85.0	85.1	85.3	85.5	85.7	85.7	85.7	85.8
GE 1500	76.8	80.4	82.7	83.9	85.0	85.2	85.6	85.9	85.9	86.1	86.3	86.4	86.6	86.6	86.6	86.8
GE 1200	77.7	81.3	83.7	85.1	86.2	86.5	86.9	87.2	87.2	87.4	87.6	87.7	87.9	87.9	87.9	88.1
GE 1000	78.6	82.4	85.0	86.6	87.7	88.1	88.4	88.8	88.8	88.9	89.1	89.2	89.5	89.5	89.5	89.6
GE 900	79.0	82.7	85.3	87.2	88.7	89.0	89.4	89.7	89.7	89.8	90.1	90.2	90.4	90.4	90.4	90.5
GE 800	79.2	83.1	85.8	87.8	89.2	89.6	90.0	90.3	90.3	90.4	90.7	90.8	91.0	91.0	91.0	91.1
GE 700	79.7	83.8	86.9	88.9	90.5	90.9	91.3	91.6	91.6	91.7	92.0	92.1	92.3	92.3	92.3	92.4
GE 600	79.8	84.0	87.1	89.4	91.6	92.0	92.3	92.8	92.8	92.9	93.1	93.3	93.5	93.5	93.5	93.6
GE 500	80.0	84.4	87.6	90.4	93.0	93.5	93.9	94.3	94.3	94.4	94.7	94.8	95.0	95.0	95.0	95.2
GE 400	80.0	84.5	87.8	90.9	93.9	94.3	94.8	95.4	95.4	95.5	95.7	95.9	96.1	96.1	96.2	96.5
GE 300	80.0	84.5	87.8	90.9	93.9	94.3	94.9	95.9	95.9	96.1	96.3	96.5	96.8	96.8	97.2	97.4
GE 200	80.0	84.6	87.9	91.1	94.1	94.6	95.2	96.3	96.3	96.6	96.8	96.9	97.4	97.4	97.9	98.2
GE 100	80.0	84.6	87.9	91.1	94.1	94.6	95.2	96.3	96.3	96.7	96.9	97.0	97.6	97.6	98.6	99.2
GE 000	80.0	84.6	87.9	91.1	94.1	94.6	95.2	96.3	96.3	96.7	96.9	97.0	97.6	97.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.8	46.1	47.9	48.9	50.4	51.2	51.4	51.5	51.5	51.9	52.1	52.1	52.4	52.5	52.5	52.7
GE 20000	46.9	50.7	52.6	53.7	55.1	55.9	56.1	56.3	56.3	56.6	56.9	56.9	57.1	57.2	57.3	57.6
GE 18000	47.0	50.8	52.7	53.8	55.2	56.0	56.3	56.4	56.4	56.7	57.0	57.0	57.2	57.3	57.4	57.7
GE 16000	47.0	50.8	52.7	53.8	55.2	56.0	56.3	56.4	56.4	56.7	57.0	57.0	57.2	57.3	57.4	57.7
GE 14000	47.9	51.7	53.5	54.6	56.1	57.0	57.2	57.3	57.3	57.7	57.9	57.9	58.2	58.3	58.4	58.6
GE 12000	48.8	52.6	54.6	55.7	57.2	58.0	58.3	58.4	58.4	58.7	59.0	59.0	59.2	59.3	59.5	59.7
GE 10000	50.8	54.6	56.6	57.7	59.3	60.2	60.4	60.5	60.5	60.9	61.1	61.1	61.3	61.5	61.6	61.8
GE 9000	51.4	55.3	57.3	58.5	60.2	61.0	61.2	61.3	61.3	61.7	61.9	61.9	62.2	62.3	62.4	62.6
GE 8000	52.7	57.1	59.2	60.5	62.2	63.0	63.4	63.5	63.5	63.8	64.1	64.1	64.3	64.4	64.5	64.8
GE 7000	53.9	58.4	60.5	61.8	63.6	64.4	64.8	64.9	64.9	65.2	65.5	65.5	65.7	65.8	66.0	66.2
GE 6000	54.1	58.7	60.9	62.6	64.4	65.2	65.6	65.7	65.7	66.1	66.3	66.3	66.5	66.7	66.8	67.0
GE 5000	55.6	60.2	62.3	64.1	65.8	66.7	67.1	67.3	67.3	67.6	67.8	67.8	68.1	68.2	68.3	68.6
GE 4500	57.6	62.3	64.4	66.2	68.0	68.8	69.3	69.4	69.4	69.7	70.0	70.0	70.2	70.3	70.4	70.7
GE 4000	60.3	65.1	67.6	69.4	71.2	72.0	72.5	72.6	72.6	72.9	73.2	73.2	73.4	73.5	73.6	73.9
GE 3500	62.3	67.1	69.6	71.4	73.4	74.2	74.7	74.8	74.8	75.2	75.4	75.4	75.7	75.8	75.9	76.1
GE 3000	63.6	68.7	71.2	73.0	75.3	76.1	76.6	76.7	76.7	77.1	77.3	77.3	77.5	77.7	77.8	78.0
GE 2500	64.5	69.7	72.5	74.5	77.1	77.9	78.4	78.5	78.5	78.8	79.1	79.1	79.3	79.4	79.6	79.8
GE 2000	65.7	71.2	74.0	76.2	79.0	79.9	80.6	80.7	80.7	81.1	81.3	81.3	81.6	81.7	81.8	82.0
GE 1800	66.0	71.4	74.2	76.5	79.2	80.1	80.9	81.0	81.0	81.3	81.6	81.6	81.8	81.9	82.0	82.3
GE 1500	66.3	71.9	74.7	77.0	79.8	80.7	81.4	81.6	81.6	81.9	82.2	82.2	82.4	82.5	82.6	82.9
GE 1200	66.9	72.5	75.4	77.7	80.7	81.7	82.5	82.6	82.6	83.0	83.2	83.2	83.5	83.6	83.7	83.9
GE 1000	67.3	73.0	76.6	79.1	82.3	83.3	84.3	84.4	84.4	84.8	85.0	85.0	85.2	85.3	85.5	85.7
GE 900	67.4	73.3	77.0	79.6	82.7	83.8	84.9	85.0	85.0	85.3	85.6	85.6	85.8	85.9	86.1	86.3
GE 800	68.0	73.9	77.8	80.5	83.9	85.1	86.5	86.8	86.8	87.1	87.4	87.4	87.6	87.7	87.8	88.1
GE 700	68.7	74.7	78.7	81.6	85.2	86.5	88.2	88.4	88.4	88.8	89.0	89.0	89.2	89.4	89.5	89.7
GE 600	68.8	75.3	79.4	82.5	86.5	87.8	89.5	89.8	89.8	90.2	90.4	90.4	90.7	90.8	91.0	91.3
GE 500	68.8	75.4	79.7	83.2	87.5	89.0	90.7	91.1	91.1	91.5	91.7	91.7	92.0	92.1	92.3	92.6
GE 400	68.8	75.7	79.9	83.6	88.4	90.1	92.0	92.6	92.6	93.0	93.3	93.3	93.7	93.9	94.1	94.3
GE 300	68.8	75.7	79.9	83.6	88.5	90.2	92.3	93.6	93.6	94.1	94.4	94.4	95.2	95.4	96.1	96.3
GE 200	68.8	75.7	80.0	83.7	88.7	90.3	92.4	94.6	94.6	95.3	95.6	95.6	96.8	97.2	98.1	98.5
GE 100	68.8	75.7	80.0	83.7	88.7	90.3	92.4	94.7	94.7	95.5	95.9	95.9	97.0	97.4	98.7	99.6
GE 000	68.8	75.7	80.0	83.7	88.7	90.3	92.4	94.7	94.7	95.5	95.9	95.9	97.0	97.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.7	53.4	54.5	55.4	55.6	55.6	55.6	55.6	55.6	55.7	55.8	55.8	55.9	56.0	56.0	56.3
GE 20000	56.3	62.3	63.4	64.4	64.7	64.7	64.7	64.7	64.7	64.8	64.9	64.9	65.0	65.1	65.1	65.4
GE 18000	56.6	62.6	63.7	64.8	65.0	65.0	65.0	65.0	65.0	65.1	65.2	65.2	65.4	65.5	65.5	65.7
GE 16000	56.6	62.6	63.7	64.8	65.0	65.0	65.0	65.0	65.0	65.1	65.2	65.2	65.4	65.5	65.5	65.7
GE 14000	57.9	63.9	65.0	66.1	66.3	66.3	66.3	66.3	66.3	66.4	66.5	66.5	66.7	66.8	66.8	67.0
GE 12000	58.2	64.3	65.4	66.4	66.7	66.7	66.7	66.7	66.7	66.8	66.9	66.9	67.0	67.1	67.1	67.4
GE 10000	60.6	67.3	68.4	69.5	69.7	69.7	69.7	69.7	69.7	69.9	70.0	70.0	70.1	70.2	70.2	70.4
GE 9000	61.0	67.7	68.9	70.0	70.2	70.2	70.2	70.2	70.2	70.3	70.4	70.4	70.6	70.7	70.7	70.9
GE 8000	62.4	69.3	70.4	71.5	71.7	71.7	71.7	71.7	71.7	71.9	72.0	72.0	72.1	72.2	72.2	72.5
GE 7000	63.4	70.3	71.5	72.6	72.8	72.8	72.8	72.8	72.8	72.9	73.0	73.0	73.2	73.3	73.3	73.5
GE 6000	63.5	70.6	71.7	72.8	73.2	73.2	73.2	73.2	73.2	73.3	73.4	73.4	73.5	73.6	73.6	73.9
GE 5000	65.7	72.9	74.1	75.2	75.8	75.9	76.0	76.0	76.0	76.1	76.2	76.2	76.4	76.5	76.5	76.7
GE 4500	66.9	74.1	75.3	76.4	77.0	77.1	77.2	77.2	77.2	77.3	77.4	77.4	77.5	77.7	77.7	77.9
GE 4000	69.1	76.6	77.9	79.2	79.8	79.9	80.1	80.3	80.3	80.4	80.5	80.5	80.6	80.7	80.7	81.0
GE 3500	70.2	77.7	79.1	80.5	81.1	81.2	81.4	81.6	81.6	81.7	81.8	81.8	81.9	82.0	82.0	82.3
GE 3000	71.6	79.4	80.9	82.3	83.1	83.2	83.5	83.6	83.6	83.7	83.8	83.8	83.9	84.0	84.0	84.3
GE 2500	72.6	80.6	82.2	83.6	84.4	84.5	84.8	84.9	84.9	85.0	85.1	85.1	85.2	85.3	85.3	85.6
GE 2000	73.0	81.3	82.9	84.3	85.2	85.3	85.8	85.9	85.9	86.1	86.2	86.2	86.3	86.4	86.4	86.6
GE 1800	73.2	81.6	83.1	84.5	85.5	85.6	86.1	86.3	86.3	86.4	86.5	86.5	86.6	86.8	86.8	87.0
GE 1500	73.3	81.9	83.6	85.1	86.3	86.4	86.9	87.1	87.1	87.2	87.4	87.4	87.5	87.6	87.6	87.8
GE 1200	74.3	83.0	84.9	86.4	87.7	87.8	88.3	88.5	88.5	88.7	88.8	88.8	88.9	89.0	89.0	89.2
GE 1000	74.9	83.8	86.2	87.7	89.1	89.2	90.1	90.3	90.3	90.4	90.5	90.5	90.7	90.8	90.8	91.0
GE 900	75.1	84.0	86.5	88.1	89.5	89.6	90.4	90.7	90.7	90.8	90.9	90.9	91.0	91.1	91.1	91.4
GE 800	75.7	84.6	87.6	89.1	90.7	90.8	91.7	92.1	92.1	92.2	92.3	92.3	92.4	92.6	92.6	92.8
GE 700	75.8	84.8	87.9	89.7	91.5	91.6	92.8	93.3	93.3	93.5	93.6	93.6	93.7	93.9	94.0	94.2
GE 600	75.8	85.0	88.3	90.1	91.8	92.0	93.1	94.0	94.0	94.2	94.3	94.3	94.4	94.6	94.7	94.9
GE 500	75.9	85.1	88.9	91.1	93.3	93.6	94.9	95.7	95.7	96.3	96.5	96.5	96.6	96.7	96.8	97.0
GE 400	75.9	85.1	88.9	91.1	93.3	93.9	95.3	96.2	96.2	96.9	97.2	97.2	97.3	97.4	97.5	97.8
GE 300	75.9	85.1	88.9	91.1	93.4	94.0	95.5	96.7	96.8	97.5	98.0	98.0	98.2	98.3	98.8	99.1
GE 200	75.9	85.1	88.9	91.1	93.4	94.0	95.5	96.8	96.9	97.8	98.2	98.2	98.6	98.7	99.4	99.6
GE 100	75.9	85.1	88.9	91.1	93.4	94.0	95.5	96.8	96.9	97.8	98.2	98.2	98.6	98.8	99.5	99.9
GE 000	75.9	85.1	88.9	91.1	93.4	94.0	95.5	96.8	96.9	97.8	98.2	98.2	98.6	98.8	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.2	60.0	60.3	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 20000	69.7	72.0	72.3	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 18000	69.7	72.0	72.3	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 16000	69.7	72.0	72.3	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 14000	71.0	73.3	73.6	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 12000	72.1	74.5	74.9	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 10000	75.3	77.8	78.3	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 9000	75.9	78.6	79.1	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 8000	77.1	79.9	80.4	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 7000	77.7	80.5	81.0	81.6	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 6000	78.4	81.2	81.7	82.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 5000	79.9	82.9	83.3	84.0	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 4500	80.4	83.3	83.8	84.5	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 4000	83.8	87.1	87.8	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 3500	85.0	88.4	89.1	90.1	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 3000	87.8	91.5	92.6	93.5	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 2500	88.1	91.8	92.9	93.9	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 2000	89.2	93.3	94.7	95.6	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1800	89.2	93.3	94.7	95.6	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1500	89.6	93.7	95.3	96.2	96.9	97.0	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1200	89.8	94.0	95.5	96.5	97.3	97.4	97.5	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1000	89.8	94.0	96.0	96.9	97.8	97.9	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 900	89.8	94.0	96.1	97.2	98.0	98.1	98.2	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 800	90.0	94.3	96.5	97.6	98.5	98.7	98.8	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	90.0	94.3	96.6	97.9	98.7	98.9	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	90.0	94.3	96.6	97.9	98.7	99.1	99.2	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	90.0	94.3	96.6	97.9	98.8	99.2	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	90.0	94.3	96.6	97.9	98.8	99.2	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	90.0	94.4	96.7	98.1	99.1	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.0	94.4	96.7	98.1	99.1	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.0	94.4	96.7	98.1	99.1	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	90.0	94.4	96.7	98.1	99.1	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.0	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 20000	68.4	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 18000	68.6	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 16000	68.6	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 14000	70.0	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 12000	71.2	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 10000	75.1	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 9000	75.5	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 8000	78.3	81.1	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 7000	78.8	81.7	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 6000	79.8	82.6	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 5000	81.7	84.9	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 4500	82.6	85.8	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 4000	85.3	88.8	89.2	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 3500	86.5	90.3	90.9	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 3000	88.1	92.0	92.7	93.4	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 2500	88.9	92.8	93.6	94.3	94.8	94.9	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 2000	89.7	94.2	95.3	96.0	96.5	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1800	89.8	94.3	95.4	96.1	96.6	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1500	90.2	94.8	95.9	96.7	97.3	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1200	90.4	95.0	96.1	96.9	97.5	97.6	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	90.7	95.4	96.7	97.5	98.1	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	90.7	95.4	96.7	97.5	98.1	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	91.1	95.9	97.2	98.0	98.6	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	91.1	95.9	97.2	98.0	98.6	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	91.1	96.0	97.4	98.2	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	91.1	96.0	97.4	98.2	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	91.1	96.0	97.4	98.2	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	91.1	96.0	97.4	98.2	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	91.1	96.0	97.4	98.2	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	91.1	96.0	97.4	98.2	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	91.1	96.0	97.4	98.2	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 20000	66.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 18000	67.5	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 16000	67.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 14000	68.1	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 12000	69.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 10000	72.8	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 9000	73.2	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 8000	76.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 7000	77.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 6000	78.6	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 5000	80.1	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 4500	80.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 4000	84.6	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 3500	86.1	88.5	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 3000	87.5	90.3	90.9	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 2500	88.7	91.5	92.2	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 2000	90.0	92.9	93.6	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1800	90.0	93.0	93.9	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1500	90.7	93.9	94.7	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1200	91.4	94.8	95.6	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1000	92.4	95.9	96.7	97.5	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 900	92.7	96.2	97.0	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 800	93.0	96.6	97.5	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	93.3	96.9	97.9	98.8	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	93.3	96.9	97.9	98.8	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	93.4	97.0	98.0	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	93.4	97.0	98.0	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	93.4	97.0	98.0	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 200	93.4	97.0	98.0	99.1	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8
GE 100	93.4	97.0	98.0	99.1	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.8	99.8	100.0
GE 000	93.4	97.0	98.0	99.1	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	63.2	63.7	63.9	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 20000	67.1	67.8	68.2	68.3	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 18000	68.2	68.9	69.3	69.4	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 16000	68.4	69.1	69.5	69.6	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 14000	68.4	69.1	69.5	69.6	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 12000	68.9	69.6	70.1	70.2	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 10000	71.9	72.6	73.0	73.2	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 9000	72.6	73.3	73.8	73.9	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 8000	74.0	74.8	75.3	75.4	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 7000	74.9	75.8	76.2	76.4	76.8	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 6000	75.5	76.4	76.8	77.1	77.5	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 5000	77.8	78.6	79.1	79.3	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 4500	78.3	79.1	79.6	79.8	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 4000	81.7	82.7	83.5	83.7	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 3500	82.9	83.9	84.8	85.0	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 3000	85.0	86.2	87.1	87.5	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 2500	86.1	87.5	88.4	89.0	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 2000	87.1	88.5	89.5	90.2	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1800	87.2	88.7	89.7	90.4	91.1	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1500	88.1	89.5	90.5	91.4	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1200	89.4	90.9	92.2	93.0	93.9	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1000	90.4	92.0	93.3	94.1	94.9	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 900	91.6	93.1	94.4	95.3	96.1	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 800	92.0	93.6	95.0	95.9	96.7	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 700	92.0	93.7	95.2	96.0	96.9	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 600	92.0	94.1	95.5	96.3	97.3	97.3	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 500	92.0	94.1	95.6	96.8	97.8	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 400	92.0	94.1	95.9	97.0	98.0	98.1	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 300	92.1	94.2	96.0	97.2	98.1	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 200	92.3	94.4	96.2	97.4	98.3	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 100	92.3	94.4	96.2	97.4	98.5	98.6	99.1	99.3	99.3	99.3	99.4	99.4	99.5	99.5	99.9	99.9
GE 000	92.3	94.4	96.2	97.4	98.5	98.6	99.1	99.3	99.3	99.3	99.4	99.4	99.5	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASEEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.7	57.9	58.5	58.9	59.2	59.4	59.5	59.5	59.5	59.5	59.6	59.6	59.7	59.8	59.8	59.8
GE 20000	62.4	65.0	65.7	66.1	66.5	66.6	66.7	66.7	66.7	66.8	66.9	66.9	66.9	67.0	67.0	67.1
GE 18000	62.8	65.4	66.1	66.5	66.9	67.0	67.1	67.1	67.1	67.2	67.3	67.3	67.4	67.4	67.4	67.5
GE 16000	62.9	65.5	66.2	66.6	66.9	67.1	67.2	67.2	67.2	67.3	67.3	67.4	67.4	67.5	67.5	67.6
GE 14000	63.6	66.2	66.8	67.3	67.6	67.7	67.8	67.9	67.9	67.9	68.0	68.0	68.1	68.1	68.2	68.2
GE 12000	64.4	67.1	67.8	68.2	68.6	68.7	68.8	68.8	68.8	68.9	69.0	69.0	69.0	69.1	69.1	69.2
GE 10000	67.0	69.8	70.5	71.0	71.4	71.5	71.6	71.6	71.6	71.7	71.8	71.8	71.9	71.9	71.9	72.0
GE 9000	67.5	70.4	71.1	71.6	72.0	72.1	72.2	72.2	72.2	72.3	72.4	72.4	72.5	72.5	72.5	72.6
GE 8000	69.5	72.5	73.3	73.8	74.3	74.4	74.5	74.6	74.6	74.6	74.7	74.7	74.8	74.9	74.9	74.9
GE 7000	70.3	73.4	74.2	74.7	75.2	75.3	75.4	75.4	75.4	75.5	75.6	75.6	75.7	75.7	75.8	75.8
GE 6000	70.9	74.1	74.9	75.5	76.0	76.1	76.2	76.3	76.3	76.4	76.5	76.5	76.6	76.6	76.6	76.7
GE 5000	72.6	75.8	76.7	77.3	77.9	78.0	78.1	78.2	78.2	78.3	78.4	78.4	78.5	78.5	78.5	78.6
GE 4500	73.7	76.9	77.7	78.4	79.0	79.1	79.2	79.3	79.3	79.4	79.5	79.5	79.6	79.6	79.6	79.7
GE 4000	76.8	80.2	81.2	82.0	82.6	82.7	82.9	82.9	82.9	83.0	83.1	83.1	83.2	83.2	83.2	83.3
GE 3500	78.0	81.6	82.7	83.5	84.1	84.2	84.4	84.5	84.5	84.6	84.6	84.7	84.8	84.8	84.8	84.9
GE 3000	79.8	83.5	84.8	85.7	86.4	86.6	86.8	86.8	86.8	86.9	87.0	87.0	87.1	87.1	87.2	87.2
GE 2500	80.7	84.6	86.0	86.9	87.8	88.0	88.2	88.3	88.3	88.4	88.4	88.5	88.5	88.6	88.6	88.7
GE 2000	81.8	85.8	87.3	88.3	89.2	89.4	89.7	89.8	89.8	89.9	90.0	90.0	90.1	90.1	90.1	90.2
GE 1800	81.9	85.9	87.5	88.5	89.4	89.6	89.9	90.0	90.0	90.1	90.2	90.2	90.3	90.3	90.3	90.4
GE 1500	82.5	86.6	88.3	89.3	90.3	90.5	90.8	90.9	90.9	91.0	91.1	91.1	91.2	91.3	91.3	91.3
GE 1200	83.2	87.4	89.1	90.3	91.4	91.6	91.9	92.1	92.1	92.1	92.2	92.2	92.3	92.4	92.4	92.4
GE 1000	83.9	88.2	90.2	91.4	92.5	92.8	93.2	93.3	93.3	93.4	93.5	93.5	93.6	93.6	93.7	93.7
GE 900	84.2	88.6	90.6	92.0	93.1	93.4	93.8	93.9	93.9	94.0	94.1	94.1	94.2	94.3	94.3	94.4
GE 800	84.5	89.0	91.2	92.6	93.8	94.1	94.6	94.7	94.7	94.8	94.9	94.9	95.0	95.1	95.1	95.2
GE 700	84.8	89.3	91.6	93.1	94.4	94.7	95.3	95.5	95.5	95.6	95.7	95.7	95.8	95.8	95.8	95.9
GE 600	84.8	89.5	91.8	93.4	94.9	95.2	95.7	96.0	96.0	96.1	96.2	96.2	96.3	96.4	96.4	96.5
GE 500	84.8	89.6	92.1	93.9	95.5	95.9	96.5	96.8	96.8	97.0	97.0	97.1	97.1	97.2	97.2	97.3
GE 400	84.8	89.6	92.2	94.0	95.8	96.3	97.0	97.3	97.3	97.5	97.6	97.6	97.7	97.8	97.8	97.9
GE 300	84.9	89.7	92.2	94.1	95.9	96.4	97.2	97.7	97.7	97.9	98.0	98.0	98.2	98.3	98.5	98.6
GE 200	84.9	89.8	92.3	94.2	96.0	96.5	97.3	97.9	98.0	98.3	98.4	98.4	98.8	98.8	99.1	99.2
GE 100	84.9	89.8	92.3	94.2	96.1	96.5	97.3	98.0	98.0	98.3	98.5	98.5	98.9	99.0	99.5	99.8
GE 000	84.9	89.8	92.3	94.2	96.1	96.5	97.3	98.0	98.0	98.3	98.5	98.5	98.9	99.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	62.3	64.0	64.4	65.2	65.8	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 20000	67.5	69.2	69.7	70.4	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 18000	68.1	69.8	70.2	71.0	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 16000	68.1	69.8	70.2	71.0	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 14000	68.8	70.5	71.0	71.7	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 12000	69.4	71.1	71.5	72.3	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 10000	72.4	74.3	74.7	75.7	76.3	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 9000	73.0	74.9	75.4	76.3	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 8000	74.6	76.7	77.1	78.3	78.9	78.9	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 7000	75.7	77.7	78.2	79.4	80.2	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 6000	76.5	78.5	78.9	80.1	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 5000	78.9	81.1	81.8	83.0	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 4500	79.9	82.0	82.8	84.0	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 4000	82.2	84.5	85.3	86.6	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 3500	83.9	86.3	87.1	88.5	89.5	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 3000	84.9	87.5	88.4	89.8	90.8	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 2500	85.9	88.5	89.4	90.8	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 2000	87.3	89.9	90.8	92.2	93.1	93.1	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.7	93.7
GE 1800	87.7	90.4	91.3	92.7	93.7	93.7	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2
GE 1500	88.6	91.3	92.2	93.5	94.5	94.5	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.1	95.1
GE 1200	89.6	92.3	93.1	94.6	95.7	95.7	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2
GE 1000	89.7	92.4	93.2	94.8	96.0	96.0	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6
GE 900	89.7	92.4	93.2	94.8	96.0	96.0	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6
GE 800	89.8	92.5	93.3	94.9	96.1	96.1	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.7	96.7
GE 700	90.2	93.0	93.9	95.5	96.7	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2
GE 600	90.4	93.3	94.4	96.0	97.3	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8
GE 500	90.4	93.3	94.4	96.0	97.3	97.3	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.0
GE 400	90.4	93.3	94.4	96.0	97.5	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2
GE 300	90.5	93.4	94.6	96.3	97.8	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5
GE 200	90.6	93.7	94.8	96.6	98.1	98.1	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.8	98.8	98.9
GE 100	90.6	93.7	94.8	96.6	98.1	98.1	98.5	98.6	98.6	98.7	98.7	98.7	99.0	99.0	99.6	99.8
GE 000	90.6	93.7	94.8	96.6	98.1	98.1	98.5	98.6	98.6	98.7	98.7	98.7	99.0	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.1	59.1	61.0	62.0	62.5	62.6	63.5	63.5	63.5	63.7	63.8	63.8	64.2	64.2	64.3	64.4
GE 20000	61.2	63.5	65.4	66.6	67.2	67.3	68.3	68.3	68.3	68.4	68.5	68.5	68.9	68.9	69.0	69.1
GE 18000	61.5	64.0	65.8	67.0	67.6	67.7	68.7	68.7	68.7	68.8	68.9	68.9	69.4	69.4	69.5	69.6
GE 16000	61.5	64.0	65.8	67.0	67.6	67.7	68.7	68.7	68.7	68.8	68.9	68.9	69.4	69.4	69.5	69.6
GE 14000	62.0	64.5	66.3	67.5	68.2	68.3	69.2	69.2	69.2	69.4	69.5	69.5	69.9	69.9	70.0	70.1
GE 12000	62.7	65.2	67.0	68.2	68.8	68.9	69.9	69.9	69.9	70.0	70.1	70.1	70.5	70.5	70.6	70.8
GE 10000	64.9	67.6	69.6	71.0	71.6	71.7	72.7	72.7	72.7	72.8	72.9	72.9	73.3	73.3	73.4	73.5
GE 9000	65.7	68.4	70.3	71.7	72.4	72.5	73.4	73.4	73.4	73.5	73.7	73.7	74.1	74.1	74.2	74.3
GE 8000	67.6	70.3	72.4	73.8	74.4	74.5	75.5	75.5	75.5	75.6	75.7	75.7	76.1	76.1	76.2	76.3
GE 7000	68.2	71.1	73.1	74.5	75.3	75.4	76.3	76.3	76.3	76.5	76.6	76.6	77.0	77.0	77.1	77.2
GE 6000	69.5	72.4	74.4	75.8	76.6	76.7	77.6	77.6	77.6	77.7	77.8	77.8	78.3	78.3	78.4	78.5
GE 5000	70.5	73.4	75.8	77.2	78.0	78.1	79.0	79.0	79.0	79.1	79.2	79.2	79.7	79.7	79.8	79.9
GE 4500	71.3	74.2	76.6	78.0	78.7	78.8	79.8	79.8	79.8	79.9	80.0	80.0	80.4	80.4	80.5	80.6
GE 4000	75.2	78.2	80.8	82.2	83.0	83.1	84.1	84.1	84.1	84.2	84.3	84.3	84.7	84.7	84.8	84.9
GE 3500	76.2	79.2	81.8	83.2	84.2	84.3	85.3	85.3	85.3	85.4	85.5	85.5	85.9	85.9	86.0	86.1
GE 3000	78.2	81.2	83.9	85.3	86.3	86.5	87.4	87.4	87.4	87.5	87.6	87.6	88.1	88.1	88.2	88.3
GE 2500	79.5	82.5	85.2	86.6	87.6	87.7	88.7	88.7	88.7	88.8	88.9	88.9	89.4	89.4	89.5	89.6
GE 2000	81.1	84.2	87.0	88.4	89.5	89.6	90.5	90.5	90.5	90.6	90.8	90.8	91.2	91.2	91.3	91.4
GE 1800	81.2	84.3	87.1	88.5	89.6	89.7	90.6	90.6	90.6	90.8	90.9	90.9	91.3	91.3	91.4	91.5
GE 1500	82.0	85.2	88.0	89.4	90.4	90.5	91.5	91.5	91.5	91.6	91.7	91.7	92.2	92.2	92.3	92.4
GE 1200	83.1	86.6	89.5	90.9	91.9	92.0	93.2	93.2	93.2	93.3	93.4	93.4	93.9	93.9	94.0	94.1
GE 1000	83.7	87.1	90.0	91.6	92.8	92.9	94.1	94.1	94.1	94.2	94.3	94.3	94.7	94.7	94.8	94.9
GE 900	84.0	87.5	90.4	92.0	93.2	93.3	94.5	94.5	94.5	94.6	94.7	94.7	95.2	95.2	95.3	95.4
GE 800	84.5	88.1	91.1	92.7	93.9	94.0	95.2	95.2	95.2	95.3	95.4	95.4	95.8	95.8	95.9	96.0
GE 700	84.9	88.5	91.5	93.1	94.3	94.4	95.6	95.6	95.6	95.7	95.8	95.8	96.2	96.2	96.3	96.5
GE 600	85.7	89.4	92.6	94.3	95.6	95.7	96.9	96.9	96.9	97.0	97.1	97.1	97.5	97.5	97.6	97.7
GE 500	85.7	89.4	92.6	94.3	95.6	95.7	97.0	97.0	97.0	97.1	97.2	97.2	97.6	97.6	97.7	97.8
GE 400	85.7	89.4	92.6	94.3	95.6	95.7	97.1	97.3	97.3	97.4	97.6	97.6	98.1	98.1	98.2	98.3
GE 300	85.7	89.5	92.7	94.4	95.7	95.8	97.2	97.4	97.4	97.5	97.7	97.7	98.2	98.2	98.4	98.5
GE 200	85.7	89.5	92.7	94.4	95.7	95.8	97.2	97.4	97.4	97.5	97.7	97.7	98.4	98.4	98.6	99.1
GE 100	85.7	89.5	92.7	94.4	95.7	95.8	97.2	97.4	97.4	97.5	97.7	97.7	98.4	98.4	98.8	99.6
GE 000	85.7	89.5	92.7	94.4	95.7	95.8	97.2	97.4	97.4	97.5	97.7	97.7	98.4	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CELL	47.0	52.4	55.9	57.6	58.8	59.0	60.0	60.0	60.0	60.4	60.5	60.5	60.6	60.8	61.2	61.4
GE 20000	51.7	57.8	61.5	63.4	64.9	65.3	66.3	66.3	66.3	66.9	67.0	67.0	67.1	67.2	67.6	68.0
GE 18000	52.3	58.4	62.0	64.0	65.5	65.9	67.0	67.0	67.0	67.5	67.6	67.6	67.7	67.8	68.3	68.6
GE 16000	52.4	58.5	62.2	64.1	65.6	66.0	67.1	67.1	67.1	67.6	67.7	67.7	67.8	68.0	68.4	68.7
GE 14000	52.8	58.9	62.6	64.5	66.0	66.5	67.5	67.5	67.5	68.1	68.2	68.2	68.3	68.4	68.8	69.1
GE 12000	53.2	59.6	63.2	65.2	66.8	67.2	68.3	68.4	68.4	68.9	69.0	69.0	69.1	69.2	69.7	70.0
GE 10000	54.9	61.9	65.8	67.8	69.6	70.0	71.1	71.2	71.2	71.7	71.8	71.8	71.9	72.0	72.5	72.8
GE 9000	55.2	62.4	66.2	68.3	70.0	70.4	71.5	71.6	71.6	72.2	72.3	72.3	72.4	72.5	72.9	73.2
GE 8000	57.2	64.5	68.5	70.5	72.4	72.8	73.9	74.0	74.0	74.5	74.6	74.6	74.7	74.8	75.3	75.6
GE 7000	58.0	65.3	69.4	71.4	73.2	73.7	74.7	74.8	74.8	75.4	75.5	75.5	75.6	75.7	76.1	76.5
GE 6000	58.4	65.8	69.9	71.9	73.8	74.2	75.3	75.4	75.4	75.9	76.0	76.0	76.1	76.2	76.7	77.0
GE 5000	59.4	66.9	71.0	73.0	74.8	75.4	76.5	76.6	76.6	77.1	77.2	77.2	77.3	77.4	77.8	78.2
GE 4500	60.6	68.2	72.3	74.3	76.1	76.7	77.7	77.8	77.8	78.4	78.5	78.5	78.6	78.7	79.1	79.5
GE 4000	64.3	72.2	76.3	78.4	80.4	81.0	82.2	82.3	82.3	82.8	82.9	82.9	83.0	83.1	83.5	83.9
GE 3500	65.3	73.3	77.5	79.6	81.6	82.2	83.3	83.4	83.4	84.1	84.2	84.2	84.3	84.4	84.8	85.2
GE 3000	66.6	74.6	79.1	81.4	83.7	84.3	85.5	85.6	85.6	86.2	86.3	86.3	86.5	86.6	87.0	87.3
GE 2500	67.2	75.6	80.1	82.5	84.7	85.4	86.6	86.7	86.7	87.3	87.4	87.4	87.5	87.6	88.1	88.4
GE 2000	68.9	77.3	81.8	84.2	86.7	87.3	88.5	88.6	88.6	89.2	89.4	89.4	89.5	89.6	90.0	90.3
GE 1800	69.0	77.4	81.9	84.3	86.8	87.4	88.6	88.7	88.7	89.4	89.5	89.5	89.6	89.7	90.1	90.4
GE 1500	69.6	78.2	82.7	85.1	87.6	88.3	89.5	89.6	89.6	90.2	90.3	90.3	90.4	90.5	91.0	91.3
GE 1200	70.4	79.1	84.1	86.5	89.0	89.7	91.2	91.3	91.3	91.9	92.0	92.0	92.2	92.3	92.7	93.0
GE 1000	71.5	80.2	85.3	87.7	90.3	91.0	92.5	92.6	92.6	93.2	93.3	93.3	93.4	93.5	94.0	94.3
GE 900	71.7	80.6	85.7	88.2	90.8	91.4	92.9	93.0	93.0	93.7	93.8	93.8	93.9	94.0	94.4	94.7
GE 800	71.9	80.9	86.0	88.6	91.3	91.9	93.4	93.5	93.5	94.2	94.3	94.3	94.4	94.5	94.9	95.3
GE 700	72.4	81.4	86.6	89.2	92.0	92.7	94.2	94.3	94.3	94.9	95.1	95.1	95.2	95.3	95.7	96.0
GE 600	72.5	81.6	86.9	89.8	92.6	93.2	94.8	94.9	94.9	95.6	95.7	95.7	95.8	95.9	96.3	96.7
GE 500	72.5	81.6	86.9	89.9	92.7	93.3	94.9	95.2	95.2	95.9	96.0	96.0	96.1	96.2	96.7	97.0
GE 400	72.5	81.6	86.9	89.9	92.7	93.3	94.9	95.2	95.2	96.0	96.1	96.1	96.2	96.3	96.8	97.1
GE 300	72.5	81.6	87.0	90.0	92.9	93.7	95.3	95.5	95.5	96.5	96.6	96.6	96.7	96.8	97.3	97.6
GE 200	72.5	81.6	87.0	90.0	93.0	93.8	95.4	95.7	95.7	96.8	97.1	97.2	97.6	97.7	98.3	98.7
GE 100	72.5	81.6	87.0	90.0	93.0	93.8	95.4	95.7	95.7	96.8	97.1	97.2	97.8	98.0	98.6	99.6
GE 000	72.5	81.6	87.0	90.0	93.0	93.8	95.4	95.7	95.7	96.8	97.1	97.2	97.8	98.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.4	58.9	60.9	61.7	61.9	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.6
GE 20000	62.3	67.1	69.4	70.5	71.0	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.6	71.6	71.6	71.7
GE 18000	62.9	67.7	70.0	71.2	71.6	72.0	72.0	72.0	72.0	72.2	72.2	72.2	72.3	72.3	72.3	72.4
GE 16000	63.0	67.8	70.1	71.3	71.7	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.4	72.4	72.4	72.5
GE 14000	63.2	68.2	70.4	71.6	72.0	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.7	72.7	72.7	72.8
GE 12000	63.9	69.0	71.3	72.5	72.9	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.5	73.5	73.5	73.7
GE 10000	65.6	71.0	73.3	74.5	74.9	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.6	75.6	75.6	75.7
GE 9000	66.3	71.8	74.3	75.5	75.9	76.3	76.3	76.3	76.3	76.5	76.5	76.5	76.6	76.6	76.6	76.7
GE 8000	68.2	73.7	76.5	77.6	78.4	78.8	78.8	78.8	78.8	78.9	78.9	78.9	79.0	79.0	79.0	79.1
GE 7000	68.7	74.2	77.0	78.2	78.9	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.6	79.6	79.6	79.7
GE 6000	68.7	74.2	77.0	78.3	79.1	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.8	79.8	79.8	79.9
GE 5000	70.8	76.5	79.2	80.5	81.4	81.8	81.8	81.8	81.8	81.9	81.9	81.9	82.0	82.0	82.0	82.2
GE 4500	71.7	77.6	80.4	81.8	82.7	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.3	83.3	83.3	83.4
GE 4000	74.6	80.8	83.8	85.4	86.2	86.7	86.8	86.8	86.8	86.9	86.9	86.9	87.0	87.0	87.0	87.1
GE 3500	75.6	82.2	85.2	86.8	87.6	88.1	88.2	88.2	88.2	88.3	88.3	88.3	88.4	88.4	88.4	88.5
GE 3000	77.6	84.5	87.8	89.6	90.9	91.3	91.4	91.4	91.4	91.5	91.5	91.5	91.6	91.6	91.6	91.7
GE 2500	78.5	85.6	88.9	90.6	92.0	92.5	92.6	92.6	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.1
GE 2000	79.8	87.0	90.3	92.0	93.5	94.0	94.2	94.2	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.7
GE 1800	79.8	87.0	90.3	92.0	93.7	94.1	94.3	94.3	94.5	94.6	94.6	94.6	94.7	94.7	94.7	94.8
GE 1500	80.4	87.7	91.2	93.0	94.6	95.1	95.3	95.3	95.5	95.6	95.6	95.6	95.7	95.7	95.7	95.8
GE 1200	80.8	88.2	91.6	93.4	95.2	95.6	95.8	95.8	96.0	96.1	96.1	96.1	96.2	96.2	96.3	96.5
GE 1000	81.3	88.7	92.3	94.2	96.0	96.5	96.7	96.7	96.9	97.0	97.0	97.0	97.1	97.1	97.2	97.3
GE 900	81.4	88.9	92.6	94.5	96.3	96.8	97.0	97.0	97.2	97.3	97.3	97.3	97.4	97.4	97.5	97.6
GE 800	81.6	89.1	92.8	94.8	96.7	97.1	97.3	97.3	97.5	97.6	97.6	97.6	97.7	97.7	97.8	98.0
GE 700	81.6	89.1	92.8	94.9	96.8	97.2	97.4	97.4	97.6	97.7	97.7	97.7	97.8	97.8	98.0	98.1
GE 600	81.6	89.1	92.8	94.9	96.9	97.3	97.6	97.6	97.8	98.0	98.0	98.0	98.1	98.1	98.2	98.3
GE 500	81.6	89.2	92.9	95.1	97.2	97.6	98.0	98.0	98.2	98.3	98.3	98.3	98.4	98.4	98.5	98.6
GE 400	81.6	89.2	93.0	95.3	97.5	98.1	98.4	98.4	98.6	99.0	99.0	99.0	99.1	99.1	99.2	99.4
GE 300	81.6	89.2	93.0	95.4	97.6	98.2	98.6	98.6	98.8	99.4	99.6	99.6	99.8	99.8	99.9	100.0
GE 200	81.6	89.2	93.0	95.4	97.6	98.2	98.6	98.6	98.8	99.4	99.6	99.6	99.8	99.8	99.9	100.0
GE 100	81.6	89.2	93.0	95.4	97.6	98.2	98.6	98.6	98.8	99.4	99.6	99.6	99.8	99.8	99.9	100.0
GE 000	81.6	89.2	93.0	95.4	97.6	98.2	98.6	98.6	98.8	99.4	99.6	99.6	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	63.7	65.9	65.9	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 20000	76.7	80.1	80.1	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 18000	76.8	80.2	80.2	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 16000	77.0	80.4	80.4	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 14000	77.5	81.1	81.1	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 12000	77.8	81.4	81.4	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 10000	79.8	83.3	83.3	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 9000	80.2	83.9	83.9	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 8000	81.2	85.1	85.2	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 7000	81.6	85.6	85.7	86.0	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 6000	81.9	85.9	86.0	86.3	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9
GE 5000	83.0	87.0	87.1	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88.0	88.0	88.0	88.0
GE 4500	83.5	87.5	87.6	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.5
GE 4000	85.4	89.5	89.6	89.9	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4
GE 3500	86.9	91.5	91.6	91.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7
GE 3000	88.5	93.2	93.3	93.7	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6
GE 2500	89.0	94.1	94.2	94.5	95.3	95.3	95.4	95.4	95.4	95.5	95.5	95.5	95.6	95.6	95.6	95.6
GE 2000	89.7	94.8	95.1	95.4	96.1	96.1	96.2	96.2	96.2	96.3	96.5	96.5	96.6	96.6	96.6	96.6
GE 1800	89.9	95.1	95.3	95.6	96.3	96.3	96.6	96.6	96.6	96.7	96.8	96.8	96.9	96.9	96.9	96.9
GE 1500	90.1	95.4	95.6	96.0	96.9	96.9	97.1	97.1	97.1	97.2	97.3	97.3	97.4	97.4	97.4	97.4
GE 1200	90.5	95.9	96.1	96.9	97.7	98.0	98.2	98.2	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5
GE 1000	91.0	96.3	96.6	97.4	98.3	98.6	99.0	99.1	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6
GE 900	91.0	96.3	96.6	97.4	98.3	98.7	99.1	99.2	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.7
GE 800	91.0	96.3	96.6	97.4	98.3	98.7	99.1	99.2	99.2	99.6	99.7	99.7	99.9	99.9	99.9	99.9
GE 700	91.0	96.3	96.6	97.4	98.3	98.7	99.1	99.2	99.2	99.6	99.7	99.7	99.9	99.9	99.9	99.9
GE 600	91.0	96.3	96.6	97.4	98.3	98.7	99.1	99.2	99.2	99.6	99.7	99.7	99.9	99.9	99.9	99.9
GE 500	91.0	96.3	96.6	97.4	98.3	98.7	99.1	99.2	99.2	99.6	99.7	99.7	99.9	99.9	99.9	100.0
GE 400	91.0	96.3	96.6	97.4	98.3	98.7	99.1	99.2	99.2	99.6	99.7	99.7	99.9	99.9	99.9	100.0
GE 300	91.0	96.3	96.6	97.4	98.3	98.7	99.1	99.2	99.2	99.6	99.7	99.7	99.9	99.9	99.9	100.0
GE 200	91.0	96.3	96.6	97.4	98.3	98.7	99.1	99.2	99.2	99.6	99.7	99.7	99.9	99.9	99.9	100.0
GE 100	91.0	96.3	96.6	97.4	98.3	98.7	99.1	99.2	99.2	99.6	99.7	99.7	99.9	99.9	99.9	100.0
GE 000	91.0	96.3	96.6	97.4	98.3	98.7	99.1	99.2	99.2	99.6	99.7	99.7	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.7	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 20000	73.9	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 18000	74.1	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 16000	74.1	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 14000	75.1	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 12000	76.2	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 10000	79.6	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 9000	79.8	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 8000	81.7	84.5	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 7000	82.4	85.2	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 6000	82.4	85.2	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 5000	83.4	86.3	86.7	87.0	87.2	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 4500	84.3	87.2	87.5	87.8	88.1	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 4000	87.5	90.6	91.1	91.4	91.6	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 3500	88.4	91.5	91.9	92.3	92.5	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 3000	89.8	93.2	93.7	94.0	94.3	94.3	94.5	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 2500	90.8	94.4	94.9	95.3	95.8	95.9	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2000	91.6	95.6	96.2	96.6	97.1	97.2	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1800	91.6	95.6	96.2	96.6	97.1	97.2	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500	91.9	95.9	96.7	97.1	97.6	97.7	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	92.3	96.2	97.1	97.7	98.4	98.5	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	92.3	96.2	97.1	97.8	98.7	98.9	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	92.3	96.2	97.1	98.0	98.8	99.0	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	92.3	96.2	97.1	98.1	98.9	99.1	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	92.3	96.2	97.1	98.1	98.9	99.1	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	92.3	96.2	97.1	98.1	98.9	99.1	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	92.3	96.2	97.1	98.1	98.9	99.1	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	92.3	96.2	97.1	98.1	98.9	99.1	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	92.3	96.2	97.1	98.1	98.9	99.1	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	92.3	96.2	97.1	98.1	98.9	99.1	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.3	96.2	97.1	98.1	98.9	99.1	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	92.3	96.2	97.1	98.1	98.9	99.1	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.8	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 20000	70.1	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 18000	70.4	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 16000	70.4	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 14000	71.6	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 12000	72.9	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 10000	75.8	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 9000	76.5	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 8000	78.5	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 7000	78.7	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 6000	78.8	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 5000	81.2	83.7	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 4500	82.2	84.6	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 4000	86.5	89.4	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 3500	87.8	91.0	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 3000	89.2	92.7	93.2	93.7	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 2500	90.8	94.4	94.9	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 2000	91.6	95.4	96.0	96.8	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1800	91.8	95.6	96.2	97.0	97.4	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1500	92.6	96.3	97.0	97.7	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	92.8	96.6	97.2	98.0	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	92.9	96.7	97.3	98.2	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	93.0	96.8	97.5	98.4	99.0	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	93.0	96.8	97.5	98.4	99.0	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	93.0	96.8	97.5	98.4	99.0	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	93.0	96.8	97.5	98.4	99.2	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	93.0	96.8	97.5	98.4	99.2	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	93.0	96.8	97.5	98.4	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	93.0	96.8	97.5	98.4	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	93.0	96.8	97.5	98.4	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.0	96.8	97.5	98.4	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	93.0	96.8	97.5	98.4	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	66.2	66.9	67.2	67.5	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 20000	72.5	73.3	73.7	74.0	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 18000	73.1	74.0	74.3	74.6	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 16000	73.2	74.1	74.4	74.7	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 14000	74.6	75.5	75.8	76.1	76.3	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 12000	75.1	75.9	76.2	76.6	76.8	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 10000	77.0	77.8	78.3	78.8	79.0	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 9000	77.6	78.5	78.9	79.5	79.7	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 8000	80.0	81.0	81.5	82.0	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 7000	80.3	81.3	81.8	82.4	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 6000	80.4	81.4	81.9	82.5	82.8	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 5000	82.6	83.5	84.1	84.6	84.9	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 4500	84.2	85.2	85.7	86.2	86.6	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 4000	86.2	87.7	88.3	88.8	89.1	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 3500	88.1	89.7	90.3	90.9	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 3000	90.5	92.2	93.2	93.8	94.3	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 2500	91.6	93.2	94.3	94.8	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 2000	92.4	94.0	95.3	95.9	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1800	92.5	94.1	95.4	96.0	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1500	93.1	94.7	96.0	96.7	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1200	93.8	95.4	96.7	97.5	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	93.9	95.5	96.8	97.6	98.4	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	93.9	95.5	96.8	97.6	98.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	94.1	95.7	97.0	97.8	98.6	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	94.1	95.7	97.0	97.8	98.6	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	94.1	95.7	97.0	97.8	98.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	94.1	95.8	97.1	98.0	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	94.1	95.8	97.1	98.0	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	94.1	95.9	97.2	98.1	98.9	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	94.1	95.9	97.2	98.1	98.9	99.1	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
GE 100	94.1	95.9	97.2	98.1	98.9	99.1	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	100.0	100.0
GE 000	94.1	95.9	97.2	98.1	98.9	99.1	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.4	61.8	62.8	63.4	63.8	63.9	64.2	64.2	64.2	64.3	64.3	64.3	64.4	64.4	64.5	64.5
GE 20000	67.0	69.9	71.0	71.7	72.2	72.3	72.6	72.6	72.6	72.7	72.7	72.7	72.8	72.8	72.9	72.9
GE 18000	67.4	70.3	71.4	72.1	72.6	72.7	73.0	73.0	73.0	73.1	73.1	73.1	73.2	73.2	73.3	73.4
GE 16000	67.5	70.4	71.5	72.2	72.7	72.8	73.1	73.1	73.1	73.2	73.2	73.2	73.3	73.3	73.4	73.4
GE 14000	68.2	71.2	72.3	73.0	73.4	73.6	73.9	73.9	73.9	74.0	74.0	74.0	74.1	74.1	74.2	74.2
GE 12000	68.9	71.9	73.1	73.8	74.2	74.4	74.7	74.7	74.7	74.8	74.8	74.8	74.9	74.9	75.0	75.0
GE 10000	71.3	74.5	75.7	76.5	77.0	77.1	77.4	77.4	77.4	77.5	77.6	77.6	77.6	77.7	77.7	77.8
GE 9000	71.8	75.1	76.3	77.1	77.6	77.7	78.0	78.1	78.1	78.1	78.2	78.2	78.3	78.3	78.3	78.4
GE 8000	73.6	77.1	78.4	79.2	79.8	79.9	80.3	80.3	80.3	80.4	80.4	80.4	80.5	80.5	80.6	80.6
GE 7000	74.2	77.7	79.0	79.9	80.5	80.6	80.9	80.9	80.9	81.0	81.1	81.1	81.1	81.2	81.2	81.3
GE 6000	74.6	78.1	79.4	80.3	80.9	81.1	81.4	81.4	81.4	81.5	81.5	81.5	81.6	81.6	81.7	81.8
GE 5000	76.2	79.8	81.2	82.2	82.8	83.0	83.3	83.3	83.3	83.4	83.4	83.4	83.5	83.5	83.6	83.7
GE 4500	77.2	80.8	82.3	83.2	83.8	84.0	84.3	84.4	84.4	84.4	84.5	84.5	84.6	84.6	84.7	84.7
GE 4000	80.2	84.1	85.6	86.6	87.3	87.5	87.8	87.8	87.8	87.9	88.0	88.0	88.1	88.1	88.1	88.2
GE 3500	81.5	85.6	87.1	88.1	88.9	89.1	89.4	89.4	89.4	89.5	89.6	89.6	89.7	89.7	89.7	89.8
GE 3000	83.2	87.4	89.1	90.1	91.1	91.2	91.6	91.7	91.7	91.8	91.8	91.8	91.9	91.9	92.0	92.0
GE 2500	84.2	88.5	90.2	91.3	92.3	92.5	92.9	92.9	92.9	93.1	93.1	93.1	93.2	93.2	93.3	93.3
GE 2000	85.3	89.8	91.6	92.7	93.7	93.9	94.3	94.4	94.4	94.5	94.6	94.6	94.7	94.7	94.7	94.8
GE 1800	85.4	89.9	91.7	92.8	93.9	94.1	94.5	94.6	94.6	94.7	94.8	94.8	94.9	94.9	95.0	95.0
GE 1500	86.0	90.6	92.4	93.6	94.7	94.9	95.3	95.3	95.4	95.5	95.5	95.5	95.6	95.6	95.7	95.8
GE 1200	86.7	91.3	93.2	94.4	95.6	95.8	96.4	96.4	96.4	96.6	96.6	96.6	96.7	96.7	96.8	96.9
GE 1000	87.0	91.6	93.6	94.9	96.2	96.4	97.0	97.1	97.1	97.2	97.3	97.3	97.4	97.4	97.5	97.5
GE 900	87.1	91.8	93.7	95.1	96.4	96.6	97.2	97.3	97.3	97.5	97.5	97.5	97.6	97.6	97.7	97.8
GE 800	87.3	91.9	93.9	95.3	96.6	96.9	97.5	97.5	97.6	97.7	97.8	97.8	97.9	97.9	98.0	98.1
GE 700	87.4	92.1	94.1	95.6	96.8	97.1	97.7	97.8	97.8	98.0	98.0	98.0	98.1	98.1	98.2	98.3
GE 600	87.6	92.3	94.4	95.8	97.2	97.5	98.1	98.2	98.2	98.4	98.4	98.4	98.5	98.5	98.6	98.7
GE 500	87.6	92.3	94.4	95.9	97.3	97.5	98.2	98.3	98.3	98.5	98.5	98.5	98.7	98.7	98.8	98.8
GE 400	87.6	92.3	94.4	95.9	97.3	97.6	98.3	98.4	98.4	98.7	98.8	98.8	98.9	98.9	99.0	99.0
GE 300	87.6	92.4	94.5	96.0	97.4	97.7	98.4	98.5	98.6	98.9	98.9	98.9	99.1	99.1	99.2	99.3
GE 200	87.6	92.4	94.5	96.0	97.5	97.8	98.5	98.6	98.6	98.9	99.0	99.1	99.3	99.3	99.4	99.6
GE 100	87.6	92.4	94.5	96.0	97.5	97.8	98.5	98.6	98.6	99.0	99.1	99.1	99.3	99.4	99.6	99.9
GE 000	87.6	92.4	94.5	96.0	97.5	97.8	98.5	98.6	98.6	99.0	99.1	99.1	99.3	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: APR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	73.6	74.7	75.3	75.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 20000	79.2	80.4	81.1	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 18000	79.3	80.6	81.2	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 16000	79.3	80.6	81.2	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 14000	80.0	81.2	81.9	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 12000	81.3	82.6	83.2	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 10000	83.7	84.9	85.6	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 9000	84.3	85.6	86.2	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 8000	85.9	87.1	87.8	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 7000	86.9	88.1	88.8	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 6000	87.6	88.8	89.4	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 5000	87.9	89.2	89.9	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 4500	88.8	90.2	90.9	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 4000	91.1	92.7	93.6	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 3500	91.8	93.3	94.2	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 3000	92.8	94.3	95.2	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2500	93.1	94.7	95.6	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2000	93.6	95.1	96.0	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1800	93.8	95.3	96.2	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1500	94.4	96.0	96.9	97.1	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1200	95.4	97.0	97.9	98.1	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	95.8	97.3	98.2	98.4	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	95.8	97.3	98.2	98.4	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	95.8	97.3	98.2	98.4	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	95.8	97.4	98.3	98.8	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	95.8	97.4	98.4	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	95.8	97.4	98.6	99.1	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	95.8	97.4	98.6	99.2	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	95.8	97.4	98.6	99.2	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	95.8	97.4	98.6	99.2	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	95.8	97.4	98.6	99.2	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	95.8	97.4	98.6	99.2	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: APR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	67.8	71.0	74.0	74.9	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 20000	71.4	74.8	77.8	78.7	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 18000	71.4	74.8	77.8	78.7	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 16000	71.4	74.8	77.8	78.7	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 14000	72.1	75.4	78.4	79.3	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 12000	73.4	76.9	79.9	80.8	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 10000	75.2	78.9	82.1	83.0	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 9000	76.4	80.1	83.3	84.2	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 8000	78.6	82.3	85.6	86.4	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 7000	79.1	83.0	86.3	87.2	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 6000	79.4	83.3	86.7	87.6	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 5000	80.7	84.6	87.9	88.8	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 4500	81.2	85.1	88.7	89.6	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 4000	83.8	87.9	91.7	92.6	92.9	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 3500	84.9	89.0	92.8	93.7	94.0	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 3000	85.1	89.2	93.2	94.1	94.4	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 2500	85.3	89.4	93.4	94.3	94.7	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 2000	85.9	90.1	94.1	95.0	95.3	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1800	85.9	90.1	94.1	95.0	95.3	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1500	86.2	90.6	94.6	95.4	95.8	95.8	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1200	87.0	91.3	95.3	96.2	96.7	96.7	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	87.6	92.0	96.1	97.1	97.6	97.6	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 900	87.7	92.1	96.2	97.2	97.7	97.7	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 800	87.7	92.1	96.2	97.2	97.7	97.7	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 700	87.8	92.2	96.3	97.4	98.0	98.0	98.4	98.4	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7
GE 600	87.8	92.2	96.3	97.4	98.0	98.0	98.4	98.4	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7
GE 500	87.8	92.2	96.4	97.6	98.3	98.3	98.8	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 400	87.8	92.2	96.7	97.9	98.7	98.7	99.1	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3
GE 300	87.8	92.2	96.7	97.9	98.7	98.7	99.1	99.1	99.1	99.2	99.2	99.3	99.7	99.7	99.7	99.7
GE 200	87.8	92.2	96.7	97.9	98.7	98.7	99.1	99.1	99.1	99.2	99.2	99.3	99.7	99.7	99.7	99.7
GE 100	87.8	92.2	96.8	98.0	98.8	98.8	99.2	99.2	99.2	99.3	99.3	99.4	100.0	100.0	100.0	100.0
GE 000	87.8	92.2	96.8	98.0	98.8	98.8	99.2	99.2	99.2	99.3	99.3	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.4	59.6	64.6	67.8	69.9	70.1	70.7	70.9	70.9	71.2	71.2	71.2	71.2	71.3	71.3	71.3
GE 20000	57.0	64.7	70.2	73.6	76.1	76.4	77.0	77.2	77.2	77.6	77.6	77.6	77.6	77.7	77.7	77.7
GE 18000	57.2	64.9	70.4	73.8	76.3	76.7	77.2	77.4	77.4	77.8	77.8	77.8	77.8	77.9	77.9	77.9
GE 16000	57.2	64.9	70.4	73.8	76.3	76.7	77.2	77.4	77.4	77.8	77.8	77.8	77.8	77.9	77.9	77.9
GE 14000	57.6	65.2	71.0	74.3	76.9	77.2	77.8	78.0	78.0	78.3	78.3	78.3	78.3	78.4	78.4	78.4
GE 12000	59.3	67.1	73.1	76.4	79.0	79.3	79.9	80.1	80.1	80.4	80.4	80.4	80.4	80.6	80.6	80.6
GE 10000	61.3	69.3	75.8	79.1	81.7	82.0	82.6	82.8	82.8	83.1	83.1	83.1	83.1	83.2	83.2	83.2
GE 9000	61.9	70.1	76.7	80.0	82.6	82.9	83.4	83.7	83.7	84.0	84.0	84.0	84.0	84.1	84.1	84.1
GE 8000	63.0	71.3	77.9	81.2	83.8	84.1	84.7	84.9	84.9	85.2	85.2	85.2	85.2	85.3	85.3	85.3
GE 7000	63.9	72.2	78.9	82.2	84.8	85.1	85.7	85.9	85.9	86.2	86.2	86.2	86.2	86.3	86.3	86.3
GE 6000	64.0	72.3	79.0	82.3	84.9	85.2	85.8	86.0	86.0	86.3	86.3	86.3	86.3	86.4	86.4	86.4
GE 5000	64.8	73.1	79.8	83.1	85.7	86.0	86.6	86.8	86.8	87.1	87.1	87.1	87.1	87.2	87.2	87.2
GE 4500	65.3	73.8	80.4	83.8	86.3	86.7	87.2	87.4	87.4	87.8	87.8	87.8	87.8	87.9	87.9	87.9
GE 4000	67.7	76.3	83.0	86.3	89.0	89.3	90.0	90.2	90.2	90.6	90.6	90.6	90.6	90.7	90.7	90.7
GE 3500	68.1	76.8	83.4	86.9	89.6	89.9	90.6	90.8	90.8	91.1	91.1	91.1	91.1	91.2	91.2	91.2
GE 3000	69.1	77.9	84.7	88.1	90.8	91.1	91.8	92.0	92.0	92.3	92.3	92.3	92.3	92.4	92.4	92.4
GE 2500	69.6	78.3	85.1	88.7	91.3	91.7	92.4	92.7	92.7	93.0	93.0	93.0	93.0	93.1	93.1	93.1
GE 2000	70.4	79.4	86.2	90.0	92.7	93.0	93.8	94.1	94.1	94.4	94.4	94.4	94.4	94.6	94.6	94.6
GE 1800	70.4	79.6	86.4	90.2	92.9	93.2	94.0	94.3	94.3	94.7	94.7	94.7	94.7	94.8	94.8	94.8
GE 1500	70.9	80.0	87.0	90.8	93.4	93.8	94.6	94.9	94.9	95.2	95.2	95.2	95.2	95.3	95.3	95.3
GE 1200	71.6	80.8	88.0	91.8	94.4	94.8	95.6	95.9	95.9	96.2	96.2	96.2	96.2	96.3	96.3	96.3
GE 1000	72.3	81.7	89.0	92.9	95.6	95.9	96.7	97.0	97.0	97.3	97.3	97.3	97.3	97.4	97.4	97.4
GE 900	72.4	81.8	89.1	93.1	95.8	96.1	96.9	97.2	97.2	97.6	97.6	97.6	97.6	97.7	97.7	97.7
GE 800	72.6	81.9	89.2	93.2	95.9	96.2	97.0	97.3	97.3	97.7	97.7	97.7	97.7	97.8	97.8	97.8
GE 700	72.6	81.9	89.3	93.3	96.1	96.4	97.2	97.6	97.6	97.9	97.9	97.9	97.9	98.0	98.0	98.0
GE 600	72.6	81.9	89.4	93.4	96.3	96.7	97.6	97.9	97.9	98.2	98.2	98.2	98.2	98.3	98.3	98.3
GE 500	72.6	81.9	89.6	93.7	96.8	97.1	98.0	98.3	98.3	98.7	98.7	98.7	98.7	98.8	98.8	98.8
GE 400	72.8	82.1	90.0	94.1	97.3	97.7	98.6	98.9	98.9	99.2	99.2	99.2	99.2	99.3	99.3	99.3
GE 300	72.8	82.1	90.0	94.1	97.3	97.7	98.7	99.0	99.0	99.3	99.3	99.3	99.4	99.6	99.6	99.6
GE 200	72.8	82.1	90.0	94.2	97.4	97.8	98.8	99.2	99.2	99.7	99.7	99.7	99.8	99.9	100.0	100.0
GE 100	72.8	82.1	90.0	94.2	97.4	97.8	98.8	99.2	99.2	99.7	99.7	99.7	99.8	99.9	100.0	100.0
GE 000	72.8	82.1	90.0	94.2	97.4	97.8	98.8	99.2	99.2	99.7	99.7	99.7	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	64.6	69.9	71.1	71.4	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 20000	72.0	78.1	79.6	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 18000	72.2	78.4	79.9	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 16000	72.2	78.4	79.9	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 14000	72.7	79.0	80.4	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 12000	73.8	80.2	81.8	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 10000	75.8	82.8	84.3	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 9000	76.1	83.2	84.8	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 8000	78.0	85.6	87.3	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 7000	78.9	86.4	88.2	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 6000	79.0	86.6	88.4	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 5000	80.0	87.6	89.6	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 4500	80.3	87.9	89.9	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 4000	82.1	89.8	91.9	92.2	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 3500	82.8	90.4	92.7	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 3000	85.0	92.9	95.2	95.7	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 2500	85.4	93.3	95.7	96.1	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 2000	85.7	93.8	96.1	96.6	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1800	86.0	94.1	96.4	96.9	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1500	86.3	94.6	96.9	97.3	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1200	86.6	94.8	97.2	97.7	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1000	87.1	95.3	97.8	98.3	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	87.1	95.3	97.8	98.3	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	87.2	95.4	97.9	98.4	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	87.2	95.4	97.9	98.4	98.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	87.2	95.4	97.9	98.4	98.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	87.3	95.6	98.1	98.7	99.1	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	87.3	95.6	98.1	98.7	99.1	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	87.3	95.6	98.2	98.8	99.2	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	87.3	95.6	98.2	98.8	99.3	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	87.3	95.6	98.2	98.8	99.3	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	87.3	95.6	98.2	98.8	99.3	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CRIL	72.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 20000	81.3	84.3	84.3	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 18000	81.3	84.3	84.3	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 16000	81.3	84.3	84.3	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 14000	82.1	85.2	85.2	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 12000	83.6	86.9	87.0	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 10000	84.6	87.9	88.1	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 9000	85.1	88.4	88.7	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 8000	86.2	89.9	90.1	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 7000	87.1	90.8	91.1	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 6000	87.8	91.4	91.8	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 5000	88.6	92.2	92.7	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 4500	89.0	92.7	93.1	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 4000	90.9	94.8	95.3	95.4	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 3500	91.2	95.2	95.9	96.0	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 3000	92.9	97.1	97.8	98.0	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2500	92.9	97.1	97.9	98.1	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2000	93.1	97.4	98.2	98.4	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	93.1	97.6	98.3	98.6	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1500	93.1	97.8	98.6	98.8	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	93.1	97.8	98.6	98.8	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	93.1	97.8	98.6	98.8	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	93.3	98.1	98.9	99.1	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	93.3	98.1	98.9	99.1	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	93.3	98.1	98.9	99.1	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	93.3	98.1	98.9	99.1	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	93.3	98.1	99.0	99.2	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	93.3	98.1	99.0	99.2	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	93.3	98.1	99.0	99.2	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	93.3	98.1	99.0	99.2	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.3	98.1	99.0	99.2	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	93.3	98.1	99.0	99.2	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	69.7	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 20000	78.6	82.0	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 18000	78.7	82.1	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 16000	78.9	82.3	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 14000	79.8	83.3	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 12000	81.2	84.8	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 10000	83.6	87.2	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 9000	84.4	88.1	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 8000	86.7	91.0	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 7000	86.9	91.2	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 6000	87.3	91.7	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 5000	88.1	92.4	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 4500	88.6	92.9	93.6	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 4000	89.9	94.6	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 3500	91.6	96.2	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 3000	92.0	96.7	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2500	92.0	96.7	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2000	92.3	97.0	98.2	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	92.7	97.3	98.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1500	92.9	97.6	98.8	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	92.9	97.7	98.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	93.0	97.8	99.0	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	93.0	97.8	99.0	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	93.0	97.8	99.0	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	93.0	97.8	99.1	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	93.0	97.8	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	93.0	97.8	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	93.0	97.8	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	93.0	97.8	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	93.0	97.8	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.0	97.8	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	93.0	97.8	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: APR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	69.4	72.6	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 20000	79.3	82.4	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 18000	79.4	82.6	83.3	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 16000	79.6	82.7	83.4	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 14000	80.6	83.7	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 12000	81.9	85.2	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 10000	83.6	86.9	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 9000	84.1	87.4	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 8000	85.8	89.2	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 7000	86.3	89.8	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 6000	86.7	90.1	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 5000	87.3	90.8	91.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 4500	87.8	91.2	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 4000	88.9	92.4	93.3	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 3500	90.2	93.8	94.7	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 3000	91.8	95.6	96.4	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2500	92.0	95.8	96.7	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2000	92.3	96.2	97.1	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1800	92.4	96.3	97.2	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	92.8	96.8	97.9	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	93.0	97.1	98.2	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	93.1	97.4	98.6	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	93.1	97.6	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	93.1	97.6	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	93.1	97.6	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	93.1	97.6	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	93.1	97.6	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	93.1	97.6	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	93.1	97.6	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	93.1	97.6	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.1	97.6	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	93.1	97.6	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	75.8	77.0	77.2	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 20000	83.4	84.7	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 18000	83.4	84.7	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 16000	83.4	84.7	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 14000	83.9	85.1	85.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 12000	85.7	86.9	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 10000	86.9	88.3	88.6	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 9000	87.2	88.7	88.9	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 8000	87.8	89.2	89.4	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 7000	88.4	89.9	90.1	90.2	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 6000	89.3	90.8	91.0	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 5000	89.6	91.0	91.2	91.3	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 4500	90.6	92.0	92.2	92.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 4000	92.6	94.0	94.2	94.3	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 3500	93.3	94.8	95.1	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 3000	94.4	95.9	96.4	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2500	94.9	96.3	96.9	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2000	95.4	96.9	97.4	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1800	95.6	97.0	97.6	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	95.7	97.2	97.8	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	96.2	97.8	98.3	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	96.7	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	96.9	98.4	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	96.9	98.4	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	96.9	98.4	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	96.9	98.4	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	96.9	98.4	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.9	98.4	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.9	98.4	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.9	98.4	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.9	98.4	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.9	98.4	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	68.2	71.5	72.8	73.4	73.8	73.8	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 20000	75.3	78.9	80.5	81.1	81.6	81.6	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 18000	75.4	79.0	80.6	81.2	81.7	81.7	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 16000	75.4	79.1	80.6	81.2	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 14000	76.1	79.8	81.3	82.0	82.4	82.5	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 12000	77.5	81.3	82.9	83.6	84.0	84.1	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 10000	79.3	83.3	85.0	85.6	86.1	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 9000	80.0	84.0	85.7	86.3	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 8000	81.5	85.7	87.5	88.1	88.6	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 7000	82.2	86.4	88.2	88.9	89.4	89.4	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 6000	82.6	86.9	88.7	89.3	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 5000	83.4	87.6	89.5	90.1	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9
GE 4500	83.9	88.2	90.1	90.8	91.3	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 4000	85.9	90.3	92.3	93.0	93.6	93.6	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 3500	86.7	91.2	93.3	94.0	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9
GE 3000	87.9	92.4	94.6	95.4	96.0	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2500	88.2	92.7	94.9	95.7	96.3	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 2000	88.6	93.3	95.4	96.3	97.0	97.0	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1800	88.7	93.4	95.6	96.5	97.1	97.2	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1500	89.0	93.8	96.0	96.9	97.6	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0
GE 1200	89.5	94.3	96.6	97.4	98.1	98.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1000	89.8	94.7	97.0	97.9	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	89.9	94.8	97.1	98.1	98.8	98.8	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	89.9	94.8	97.2	98.1	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	90.0	94.9	97.2	98.2	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
GE 600	90.0	94.9	97.3	98.3	99.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
GE 500	90.0	94.9	97.3	98.3	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
GE 400	90.0	94.9	97.4	98.5	99.3	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	90.0	94.9	97.4	98.5	99.3	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 200	90.0	94.9	97.4	98.5	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 100	90.0	94.9	97.4	98.5	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	90.0	94.9	97.4	98.5	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	80.4	81.4	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 20000	86.0	87.1	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 18000	86.8	87.8	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 16000	86.8	87.8	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 14000	87.1	88.2	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 12000	87.5	88.6	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 10000	89.4	90.6	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 9000	89.5	90.8	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 8000	90.1	91.4	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 7000	90.6	91.9	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 6000	90.8	92.0	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 5000	92.2	93.4	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 4500	92.3	93.5	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 4000	94.0	95.3	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 3500	95.2	96.5	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 3000	95.8	97.1	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2500	96.0	97.3	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2000	96.5	97.7	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1800	96.5	97.7	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1500	96.6	97.8	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	96.7	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	96.7	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	96.8	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	97.1	98.5	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	97.1	98.5	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	97.4	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.4	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.4	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.4	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.4	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.4	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.4	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CELL	76.9	79.8	80.5	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 20000	82.4	85.4	86.1	86.3	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 18000	82.8	85.8	86.6	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 16000	82.8	85.8	86.6	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 14000	83.0	86.0	86.8	87.0	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 12000	83.1	86.1	86.9	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 10000	84.9	88.2	88.9	89.2	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 9000	85.3	88.6	89.4	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 8000	86.3	89.7	90.4	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 7000	86.9	90.2	91.0	91.3	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 6000	86.9	90.2	91.0	91.3	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 5000	88.4	91.8	92.6	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 4500	88.7	92.2	92.9	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 4000	90.2	93.7	94.4	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 3500	90.5	94.0	94.7	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 3000	91.4	94.8	95.8	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2500	91.6	95.1	96.0	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 2000	92.2	95.7	96.7	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1800	92.2	95.7	96.7	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1500	92.5	96.0	97.0	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1200	92.6	96.2	97.2	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1000	92.7	96.3	97.3	97.7	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 900	93.2	96.9	97.8	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	93.9	97.5	98.6	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	93.9	97.5	98.6	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	94.0	97.6	98.7	99.4	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	94.1	97.7	98.8	99.5	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	94.1	97.7	98.8	99.5	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	94.1	97.7	98.8	99.5	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.1	97.7	98.8	99.5	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.1	97.7	98.8	99.5	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	94.1	97.7	98.8	99.5	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.3	69.6	72.0	73.2	73.9	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 20000	67.0	77.3	80.2	81.6	82.3	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 18000	67.2	77.5	80.4	81.8	82.5	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 16000	67.2	77.5	80.4	81.8	82.5	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 14000	68.0	78.4	81.3	82.7	83.3	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 12000	69.5	80.0	83.0	84.4	85.1	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 10000	71.3	82.2	85.2	86.6	87.2	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 9000	71.6	82.6	85.6	87.0	87.6	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 8000	73.1	84.3	87.3	88.7	89.4	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 7000	73.7	84.8	87.8	89.2	89.9	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 6000	73.9	85.1	88.1	89.5	90.1	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 5000	74.7	85.9	88.9	90.3	91.0	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 4500	75.1	86.2	89.2	90.6	91.3	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 4000	76.0	87.2	90.4	91.8	92.7	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 3500	76.2	87.5	90.8	92.2	93.1	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 3000	77.1	88.4	91.6	93.3	94.4	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 2500	77.5	89.0	92.3	94.0	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2000	77.8	89.4	92.8	94.5	95.8	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1800	77.8	89.4	92.8	94.5	95.8	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1500	78.2	89.8	93.2	95.1	96.3	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1200	79.0	90.8	94.5	96.5	98.0	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	79.0	90.8	94.5	96.5	98.0	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 900	79.1	90.9	94.6	96.6	98.2	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 800	79.5	91.2	94.9	96.9	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 700	79.6	91.3	95.1	97.0	98.6	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	79.8	91.6	95.4	97.3	98.9	99.0	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	79.9	91.7	95.5	97.4	99.0	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	80.0	91.9	95.7	97.6	99.2	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	80.0	91.9	95.7	97.6	99.2	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	80.0	91.9	95.7	97.6	99.2	99.4	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	80.0	91.9	95.7	97.6	99.2	99.4	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	80.0	91.9	95.7	97.6	99.2	99.4	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.0	78.9	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 20000	80.9	86.9	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 18000	81.0	87.0	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 16000	81.1	87.1	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 14000	81.9	88.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 12000	82.8	88.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 10000	84.5	90.6	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 9000	84.6	90.9	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 8000	86.1	92.6	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 7000	86.2	92.9	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 6000	86.3	93.0	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 5000	87.1	93.9	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 4500	87.2	94.0	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 4000	87.7	94.5	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 3500	88.1	94.8	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 3000	88.8	95.7	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2500	89.0	95.9	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2000	89.2	96.1	97.8	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1800	89.2	96.1	97.8	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1500	89.4	96.2	98.1	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1200	89.6	96.6	98.5	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	89.8	96.9	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	89.8	96.9	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	89.8	96.9	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	89.8	96.9	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	89.8	96.9	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	89.8	96.9	99.1	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	89.8	96.9	99.1	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	89.8	96.9	99.1	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	89.8	96.9	99.1	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	89.8	96.9	99.1	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	89.8	96.9	99.1	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	73.9	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 20000	83.0	87.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 18000	83.1	87.3	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 16000	83.1	87.3	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 14000	84.6	88.8	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 12000	85.5	89.7	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 10000	87.4	91.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 9000	88.0	92.2	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 8000	89.1	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 7000	89.7	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 6000	89.8	94.0	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 5000	90.5	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 4500	90.8	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 4000	91.8	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 3500	92.3	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 3000	93.3	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2500	93.8	98.6	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2000	93.9	98.7	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	93.9	98.7	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	94.0	98.8	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	94.0	98.8	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	94.0	98.8	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	94.0	98.8	99.5	99.5	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	94.0	98.8	99.5	99.5	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	94.0	98.8	99.5	99.5	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	94.0	98.8	99.5	99.5	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	94.0	98.8	99.5	99.5	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	94.0	98.8	99.5	99.5	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	94.0	98.8	99.5	99.5	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.0	98.8	99.5	99.5	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.0	98.8	99.5	99.5	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	94.0	98.8	99.5	99.5	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	65.6	69.1	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 20000	79.7	83.7	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 18000	79.7	83.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 16000	79.9	84.0	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 14000	81.0	85.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 12000	81.8	85.9	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 10000	84.6	88.7	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 9000	85.5	89.6	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 8000	86.2	90.3	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 7000	87.1	91.2	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 6000	87.3	91.4	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 5000	87.4	91.5	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 4500	88.1	92.2	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 4000	91.4	95.6	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 3500	92.5	97.0	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 3000	93.0	97.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2500	93.2	97.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	93.3	98.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	93.3	98.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	93.3	98.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	93.3	98.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	93.3	98.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	93.3	98.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	93.3	98.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	93.3	98.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	93.3	98.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	93.3	98.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	93.3	98.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	93.3	98.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	93.3	98.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.3	98.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	93.3	98.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	64.8	67.2	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 20000	78.5	81.6	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 18000	78.5	81.6	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 16000	78.6	81.7	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 14000	78.9	82.2	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 12000	79.9	83.2	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 10000	82.7	86.0	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 9000	83.2	86.6	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 8000	85.2	88.5	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 7000	85.8	89.2	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 6000	86.7	90.1	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 5000	87.4	91.2	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 4500	87.7	91.7	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 4000	91.6	95.7	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 3500	92.3	96.6	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 3000	93.1	97.4	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 2500	93.1	97.4	98.4	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2000	93.3	97.8	98.8	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	93.3	97.8	98.8	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	93.3	97.8	98.9	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	93.3	97.8	98.9	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	93.3	97.8	98.9	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 900	93.3	98.0	99.0	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 800	93.3	98.0	99.0	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 700	93.3	98.0	99.0	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 600	93.3	98.0	99.0	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 500	93.3	98.0	99.0	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 400	93.3	98.0	99.0	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 300	93.3	98.0	99.0	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	93.3	98.0	99.0	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	93.3	98.0	99.0	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	93.3	98.0	99.0	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	76.7	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 20000	84.9	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 18000	84.9	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 16000	85.1	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 14000	85.3	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 12000	86.3	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 10000	88.9	89.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 9000	89.1	89.5	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 8000	89.9	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 7000	90.3	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 6000	90.4	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 5000	92.3	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 4500	92.9	93.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 4000	95.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 3500	96.3	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 3000	97.0	98.2	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2500	97.0	98.2	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2000	97.2	98.5	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800	97.2	98.5	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	97.3	98.6	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	97.3	98.6	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	97.3	98.6	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	97.3	98.6	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	97.4	98.7	99.4	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	97.4	98.7	99.4	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	97.4	98.7	99.4	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	97.4	98.7	99.4	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	97.4	98.7	99.4	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 300	97.4	98.7	99.4	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	97.4	98.7	99.4	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	97.4	98.7	99.4	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	97.4	98.7	99.4	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	71.6	75.1	76.0	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 20000	80.3	84.3	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 18000	80.5	84.5	85.5	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 16000	80.6	84.6	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 14000	81.2	85.3	86.3	86.5	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 12000	82.1	86.1	87.1	87.4	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 10000	84.2	88.4	89.5	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 9000	84.6	88.8	89.9	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 8000	85.8	90.0	91.1	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 7000	86.3	90.6	91.7	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 6000	86.5	90.8	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 5000	87.5	91.9	93.0	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 4500	87.8	92.3	93.4	93.7	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 4000	89.8	94.3	95.5	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 3500	90.4	95.1	96.2	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 3000	91.2	95.9	97.1	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2500	91.4	96.2	97.4	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2000	91.7	96.5	97.8	98.2	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800	91.7	96.5	97.8	98.2	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1500	91.8	96.7	98.0	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1200	92.0	96.9	98.3	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	92.0	96.9	98.3	98.8	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	92.1	97.0	98.5	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	92.3	97.2	98.6	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	92.3	97.2	98.7	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	92.4	97.3	98.8	99.3	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	92.4	97.4	98.8	99.3	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	92.4	97.4	98.8	99.4	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 300	92.4	97.4	98.8	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	92.4	97.4	98.8	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.4	97.4	98.8	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	92.4	97.4	98.8	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	72.7	73.7	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 20000	84.0	85.4	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 18000	84.2	85.7	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 16000	84.2	85.7	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 14000	84.4	85.9	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 12000	85.9	87.3	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 10000	89.7	91.2	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 9000	90.1	91.7	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 8000	91.8	93.4	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 7000	92.1	93.8	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 6000	92.2	93.9	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 5000	93.0	94.7	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 4500	93.0	94.7	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 4000	93.4	95.4	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 3500	93.4	95.4	96.3	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 3000	94.9	97.1	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2500	95.1	97.3	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2000	95.4	97.7	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	95.4	97.7	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	95.4	97.7	98.9	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	95.6	97.8	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	95.6	97.8	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	95.6	97.8	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	95.6	97.8	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	95.6	97.8	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	95.6	97.8	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	95.6	97.8	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	95.6	97.8	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	95.6	97.8	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	95.6	97.8	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	95.6	97.8	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	95.6	97.8	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	73.1	73.1	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 20000	83.3	85.6	86.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 18000	83.4	85.7	86.8	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 16000	83.4	85.7	86.8	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 14000	84.0	86.2	87.4	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 12000	85.9	88.1	89.3	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 10000	89.6	92.0	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 9000	89.9	92.3	93.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 8000	90.4	92.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 7000	90.6	93.0	94.3	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 6000	90.8	93.2	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 5000	91.2	93.7	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 4500	91.2	93.7	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 4000	91.9	94.3	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 3500	92.1	94.6	96.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 3000	93.1	95.6	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2500	93.3	95.8	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 2000	93.4	95.9	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1800	93.4	95.9	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1500	93.6	96.2	97.9	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	93.6	96.2	97.9	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	93.8	96.4	98.1	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	93.9	96.6	98.2	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	94.0	96.7	98.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	94.0	96.7	98.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	94.0	96.7	98.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	94.1	96.8	98.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 400	94.1	96.8	98.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	94.1	96.8	98.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	94.1	96.8	98.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	94.1	96.8	98.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	94.1	96.8	98.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

D - 2 - 47

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.9	64.6	67.0	68.4	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 20000	68.6	76.1	78.8	80.4	80.8	81.0	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 18000	69.1	76.7	79.4	81.1	81.4	81.7	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 16000	69.4	77.2	80.0	81.7	82.0	82.2	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 14000	70.4	78.4	81.4	83.1	83.4	83.7	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 12000	72.4	80.9	84.0	85.7	86.0	86.2	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 10000	75.9	84.7	87.9	89.7	90.0	90.2	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 9000	76.4	85.3	88.6	90.4	90.8	91.0	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 8000	78.0	87.2	90.6	92.4	92.9	93.1	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 7000	78.4	87.7	91.0	93.1	93.6	93.8	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 6000	78.8	88.1	91.4	93.6	94.0	94.2	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 5000	79.1	88.6	92.0	94.1	94.6	94.8	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 4500	79.1	88.6	92.0	94.1	94.6	94.8	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 4000	79.4	89.0	92.4	94.6	95.0	95.2	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 3500	79.6	89.1	92.6	94.7	95.1	95.3	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 3000	80.3	89.9	93.3	95.6	96.0	96.2	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 2500	80.8	90.3	93.8	96.0	96.4	96.7	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2000	80.8	90.3	93.8	96.0	96.4	96.7	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1800	80.9	90.4	93.9	96.1	96.6	96.8	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500	81.3	91.0	94.4	96.7	97.2	97.6	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1200	81.6	91.2	94.7	96.9	97.4	97.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	81.6	91.2	94.7	96.9	97.4	97.8	98.6	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	81.8	91.4	94.9	97.2	97.8	98.1	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	82.0	91.7	95.1	97.4	98.0	98.3	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	82.0	91.7	95.1	97.4	98.0	98.3	99.2	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	82.0	91.7	95.1	97.4	98.0	98.3	99.2	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	82.0	91.8	95.2	97.8	98.3	98.7	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	82.0	91.8	95.2	97.8	98.3	98.7	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	82.0	91.8	95.2	97.8	98.3	98.7	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	82.0	91.8	95.2	97.8	98.3	98.7	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	82.0	91.8	95.2	97.8	98.3	98.7	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	82.0	91.8	95.2	97.8	98.3	98.7	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.6	63.4	65.2	65.7	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 20000	72.3	78.1	80.2	80.8	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 18000	73.2	79.0	81.1	81.7	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 16000	73.6	79.3	81.6	82.1	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 14000	75.6	81.3	83.6	84.1	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 12000	78.2	84.2	86.9	87.4	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 10000	83.0	89.3	92.0	92.6	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 9000	83.3	89.7	92.3	92.9	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 8000	85.1	91.4	94.1	94.7	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 7000	85.3	91.8	94.4	95.0	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 6000	85.4	92.0	94.7	95.2	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 5000	85.6	92.1	94.8	95.3	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 4500	85.7	92.2	94.9	95.4	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 4000	86.8	93.3	96.0	96.6	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 3500	86.8	93.3	96.0	96.6	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 3000	88.3	95.0	97.7	98.2	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2500	88.3	95.1	97.8	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2000	88.6	95.3	98.0	98.8	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1800	88.7	95.4	98.1	98.9	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	88.8	95.6	98.2	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	89.0	95.8	98.4	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	89.1	95.9	98.6	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	89.1	95.9	98.6	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	89.1	95.9	98.6	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	89.1	95.9	98.6	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	89.1	95.9	98.6	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	89.1	95.9	98.6	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	89.1	95.9	98.6	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	89.1	95.9	98.6	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	89.1	95.9	98.6	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	89.1	95.9	98.6	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	89.1	95.9	98.6	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.4	59.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 20000	74.4	79.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 18000	75.1	79.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 16000	75.3	80.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 14000	76.4	81.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 12000	80.4	85.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 10000	83.4	89.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 9000	83.7	89.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 8000	86.6	92.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 7000	86.9	92.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 6000	87.0	93.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 5000	87.4	93.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 4500	87.4	93.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 4000	88.1	94.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 3500	88.4	94.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 3000	89.9	96.1	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2500	90.0	96.2	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2000	90.4	96.7	99.1	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	90.4	96.7	99.1	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	90.7	96.9	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	90.7	96.9	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	90.7	96.9	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	90.7	96.9	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	90.7	96.9	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	90.7	96.9	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	90.7	96.9	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	90.7	96.9	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 400	90.7	96.9	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	90.7	96.9	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	90.7	96.9	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	90.7	96.9	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	90.7	96.9	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.8	48.4	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 20000	71.8	75.1	76.4	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 18000	72.0	75.3	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 16000	72.2	75.6	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 14000	74.4	77.9	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 12000	78.4	82.0	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 10000	83.2	86.9	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 9000	83.4	87.2	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 8000	85.0	88.9	90.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 7000	85.1	89.0	90.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 6000	85.3	89.2	90.7	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 5000	86.0	89.9	91.4	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 4500	86.0	89.9	91.4	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 4000	87.8	91.8	93.4	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 3500	89.0	93.1	94.8	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 3000	91.1	95.6	97.6	98.4	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 2500	91.2	95.7	97.7	98.6	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 2000	91.7	96.2	98.2	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 1800	91.7	96.2	98.2	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 1500	91.7	96.3	98.3	99.2	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1200	91.7	96.3	98.3	99.2	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1000	91.7	96.3	98.3	99.2	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 900	91.7	96.3	98.3	99.2	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 800	91.7	96.3	98.3	99.2	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 700	91.7	96.3	98.3	99.2	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 600	91.7	96.3	98.3	99.2	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 500	91.7	96.3	98.3	99.2	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	91.7	96.3	98.3	99.2	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	91.7	96.3	98.3	99.2	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	91.7	96.3	98.3	99.2	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	91.7	96.3	98.3	99.2	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	91.7	96.3	98.3	99.2	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.8	48.0	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 20000	66.2	68.0	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 18000	66.7	68.6	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 16000	66.7	68.6	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 14000	68.9	71.0	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 12000	72.1	74.4	76.0	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 10000	78.4	81.1	82.8	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 9000	79.0	81.7	83.3	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 8000	81.4	84.2	86.0	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 7000	82.0	84.8	86.6	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 6000	82.2	85.0	86.9	87.1	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 5000	82.6	85.3	87.2	87.4	87.4	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 4500	82.8	85.6	87.4	87.7	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 4000	85.8	88.9	91.1	91.4	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 3500	87.2	90.6	92.8	93.1	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 3000	90.6	94.2	96.7	97.1	97.3	97.4	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2500	91.0	94.8	97.2	97.7	98.0	98.1	98.2	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2000	91.2	95.0	97.4	98.0	98.3	98.4	98.8	98.8	98.8	99.2	99.2	99.2	99.3	99.3	99.4	99.4
GE 1800	91.2	95.0	97.4	98.0	98.3	98.4	98.8	98.8	98.8	99.2	99.2	99.2	99.3	99.3	99.4	99.4
GE 1500	91.2	95.0	97.6	98.1	98.4	98.6	98.9	98.9	98.9	99.3	99.3	99.3	99.4	99.4	99.6	99.6
GE 1200	91.2	95.0	97.6	98.1	98.6	98.7	99.0	99.0	99.0	99.4	99.4	99.4	99.6	99.6	99.7	99.7
GE 1000	91.2	95.0	97.6	98.1	98.6	98.7	99.0	99.0	99.0	99.6	99.6	99.6	99.7	99.7	99.8	99.8
GE 900	91.2	95.0	97.6	98.1	98.6	98.7	99.0	99.0	99.0	99.6	99.6	99.6	99.7	99.7	99.8	99.8
GE 800	91.2	95.0	97.6	98.1	98.6	98.7	99.0	99.0	99.0	99.6	99.6	99.6	99.7	99.7	99.8	99.8
GE 700	91.2	95.0	97.6	98.1	98.6	98.7	99.0	99.1	99.1	99.7	99.7	99.7	99.8	99.8	99.9	99.9
GE 600	91.2	95.0	97.6	98.1	98.6	98.7	99.0	99.1	99.1	99.7	99.7	99.7	99.8	99.8	99.9	99.9
GE 500	91.2	95.0	97.6	98.1	98.6	98.7	99.0	99.1	99.1	99.7	99.7	99.7	99.8	99.8	99.9	99.9
GE 400	91.2	95.0	97.6	98.1	98.7	98.8	99.1	99.2	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 300	91.2	95.0	97.6	98.1	98.7	98.8	99.1	99.2	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 200	91.2	95.0	97.6	98.1	98.7	98.8	99.1	99.2	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 100	91.2	95.0	97.6	98.1	98.7	98.8	99.1	99.2	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 000	91.2	95.0	97.6	98.1	98.7	98.8	99.1	99.2	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM BOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.2	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 20000	74.2	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 18000	74.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 16000	74.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 14000	75.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 12000	78.1	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 10000	83.9	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 9000	84.2	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 8000	87.6	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 7000	87.8	89.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 6000	88.1	90.1	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 5000	88.9	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 4500	89.0	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 4000	92.6	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 3500	93.0	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 3000	94.6	97.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2500	94.7	97.4	98.3	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2000	94.8	97.7	98.6	98.8	98.9	98.9	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	94.8	97.7	98.6	98.8	98.9	98.9	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1500	94.9	97.8	98.7	98.9	99.3	99.3	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	94.9	97.8	98.7	98.9	99.3	99.3	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	94.9	97.8	98.7	98.9	99.3	99.3	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	95.1	98.0	98.9	99.1	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	95.1	98.0	98.9	99.2	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	95.1	98.0	98.9	99.2	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	95.1	98.0	98.9	99.2	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	95.1	98.0	98.9	99.2	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	95.1	98.0	98.9	99.2	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	95.1	98.0	98.9	99.2	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	95.1	98.0	98.9	99.2	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	95.1	98.0	98.9	99.2	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	95.1	98.0	98.9	99.2	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.8	61.8	63.1	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 20000	74.4	77.9	79.4	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 18000	74.8	78.4	79.9	80.3	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 16000	74.9	78.6	80.1	80.5	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 14000	76.2	79.9	81.5	81.9	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 12000	78.9	82.8	84.5	84.9	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 10000	83.4	87.5	89.3	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 9000	83.8	88.0	89.7	90.2	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 8000	85.7	90.0	91.8	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 7000	86.0	90.3	92.1	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 6000	86.2	90.6	92.4	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 5000	86.7	91.1	92.9	93.4	93.5	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 4500	86.8	91.1	93.0	93.5	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 4000	88.2	92.7	94.6	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 3500	88.7	93.3	95.2	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 3000	90.3	95.1	97.2	97.8	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2500	90.6	95.3	97.4	98.1	98.3	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2000	90.8	95.6	97.7	98.4	98.6	98.7	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	90.8	95.6	97.7	98.4	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1
GE 1500	90.9	95.8	97.9	98.7	98.9	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	91.0	95.9	98.0	98.7	99.0	99.1	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	91.1	95.9	98.0	98.8	99.1	99.2	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	91.1	96.0	98.1	98.9	99.2	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	91.2	96.0	98.1	99.0	99.3	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	91.2	96.0	98.1	99.0	99.3	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 600	91.2	96.0	98.1	99.0	99.3	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 500	91.2	96.1	98.2	99.1	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 400	91.2	96.1	98.2	99.1	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	91.2	96.1	98.2	99.1	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	91.2	96.1	98.2	99.1	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	91.2	96.1	98.2	99.1	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	91.2	96.1	98.2	99.1	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	68.9	71.1	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 20000	86.1	88.5	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 18000	86.1	88.5	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 16000	86.1	88.5	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 14000	86.9	89.2	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 12000	89.2	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 10000	93.2	95.7	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 9000	93.8	96.2	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 8000	94.7	97.2	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 7000	94.7	97.2	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 6000	94.8	97.3	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 5000	94.9	97.4	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 4500	94.9	97.4	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 4000	95.3	97.7	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 3500	95.6	98.1	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 3000	96.0	98.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2500	96.0	98.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2000	96.5	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	96.5	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	96.6	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	96.7	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	96.7	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	96.7	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	96.7	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	96.7	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	96.7	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	96.7	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.7	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.7	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.7	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.7	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.7	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	78.1	81.3	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 20000	86.8	90.4	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 18000	86.8	90.4	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 16000	86.8	90.4	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 14000	88.0	91.6	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 12000	88.9	92.6	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 10000	91.8	95.5	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 9000	92.2	95.8	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 8000	92.7	96.3	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 7000	92.8	96.5	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 6000	92.8	96.5	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 5000	92.9	96.6	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 4500	93.2	96.9	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 4000	93.9	97.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 3500	93.9	97.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 3000	94.0	97.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2500	94.1	97.7	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2000	94.3	98.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800	94.4	98.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	94.5	98.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	94.8	98.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	94.9	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	94.9	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	94.9	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	94.9	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	94.9	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	94.9	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	94.9	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	94.9	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.9	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.9	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	94.9	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	64.4	71.0	73.3	74.0	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 20000	75.6	83.0	85.8	86.5	87.5	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 18000	75.7	83.1	85.9	86.6	87.6	87.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 16000	75.7	83.1	86.0	86.7	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 14000	77.1	84.5	87.4	88.1	89.1	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 12000	79.4	86.8	89.7	90.3	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 10000	82.3	89.7	92.7	93.4	94.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 9000	82.9	90.3	93.3	94.1	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 8000	83.5	91.0	94.0	94.7	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 7000	83.7	91.1	94.1	94.8	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 6000	83.7	91.1	94.1	94.8	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 5000	83.9	91.3	94.3	95.1	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 4500	84.2	91.6	94.6	95.4	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 4000	84.8	92.4	95.4	96.1	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 3500	85.1	92.6	95.6	96.3	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 3000	85.7	93.3	96.3	97.2	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2500	85.9	93.5	96.6	97.4	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2000	86.6	94.2	97.2	98.2	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	86.6	94.2	97.2	98.2	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	86.7	94.3	97.3	98.3	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	86.7	94.3	97.3	98.3	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	86.7	94.3	97.3	98.3	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	86.7	94.3	97.3	98.3	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	86.7	94.3	97.3	98.3	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	86.7	94.3	97.3	98.4	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	86.7	94.3	97.3	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	86.7	94.3	97.3	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	86.7	94.3	97.3	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	86.7	94.3	97.3	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	86.7	94.3	97.3	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	86.7	94.3	97.3	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	86.7	94.3	97.3	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	65.4	69.2	70.8	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 20000	77.5	82.0	84.0	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 18000	77.7	82.3	84.2	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 16000	78.4	82.9	84.8	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 14000	79.2	83.8	85.7	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 12000	82.9	87.5	89.6	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 10000	86.7	91.4	93.5	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 9000	87.0	91.8	94.0	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 8000	87.8	92.9	95.1	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 7000	87.8	92.9	95.1	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 6000	87.8	92.9	95.1	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 5000	88.2	93.3	95.6	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 4500	88.2	93.3	95.7	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 4000	88.8	94.0	96.3	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 3500	89.6	94.7	97.1	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 3000	90.6	95.9	98.4	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	90.8	96.0	98.5	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	90.9	96.1	98.6	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	90.9	96.1	98.6	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	90.9	96.1	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	90.9	96.1	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	90.9	96.1	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	90.9	96.1	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	90.9	96.1	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	90.9	96.1	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	90.9	96.1	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	90.9	96.1	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	90.9	96.1	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	90.9	96.1	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.9	96.1	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.9	96.1	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	90.9	96.1	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.4	59.9	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 20000	74.4	78.4	80.0	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 18000	74.6	78.6	80.2	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 16000	75.1	79.1	80.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 14000	75.6	79.7	81.3	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 12000	78.7	82.8	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 10000	82.8	87.3	88.9	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 9000	83.1	87.6	89.2	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 8000	84.2	89.0	90.6	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 7000	84.2	89.0	90.6	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 6000	84.3	89.1	90.8	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 5000	84.7	89.7	91.4	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 4500	84.8	89.8	91.5	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 4000	86.3	91.4	93.1	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 3500	88.2	93.2	94.9	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 3000	90.3	95.6	97.5	98.4	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2500	90.5	95.9	97.8	98.8	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2000	90.8	96.1	98.1	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	90.8	96.1	98.1	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	90.8	96.1	98.1	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	90.8	96.1	98.1	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	90.8	96.1	98.1	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	90.8	96.1	98.1	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	90.8	96.1	98.1	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	90.8	96.1	98.1	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	90.8	96.1	98.1	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	90.8	96.1	98.1	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 400	90.8	96.1	98.1	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	90.8	96.1	98.1	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	90.8	96.1	98.1	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	90.8	96.1	98.1	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	90.8	96.1	98.1	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.2	39.0	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 20000	63.8	68.1	68.9	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 18000	64.4	68.8	69.7	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 16000	64.4	68.8	69.7	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 14000	67.2	71.6	72.5	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 12000	72.3	77.0	78.0	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 10000	78.4	83.2	84.2	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 9000	79.5	84.4	85.4	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 8000	81.9	87.0	88.0	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 7000	82.4	87.6	88.6	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 6000	82.6	87.8	88.8	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 5000	83.0	88.3	89.2	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 4500	83.0	88.3	89.2	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 4000	84.8	90.2	91.2	91.7	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 3500	85.8	91.4	92.4	92.9	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 3000	89.1	94.8	96.1	96.9	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1
GE 2500	89.2	94.9	96.3	97.1	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3
GE 2000	89.5	95.2	96.8	97.5	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
GE 1800	89.5	95.2	96.8	97.5	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
GE 1500	89.5	95.2	96.8	97.5	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
GE 1200	89.6	95.4	97.0	97.7	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
GE 1000	89.7	95.5	97.1	97.8	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
GE 900	89.7	95.5	97.1	97.8	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
GE 800	89.7	95.5	97.1	97.8	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
GE 700	89.7	95.5	97.1	97.8	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
GE 600	89.7	95.5	97.1	97.8	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
GE 500	89.7	95.5	97.1	97.8	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0
GE 400	89.7	95.5	97.1	97.8	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0
GE 300	89.7	95.5	97.1	97.8	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0
GE 200	89.7	95.5	97.1	97.8	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0
GE 100	89.7	95.5	97.1	97.8	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0
GE 000	89.7	95.5	97.1	97.8	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	28.8	30.7	31.1	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
GE 20000	58.7	62.2	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 18000	59.4	63.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 16000	59.5	63.1	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 14000	61.4	65.2	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 12000	67.8	71.8	72.8	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 10000	75.5	79.6	80.8	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 9000	77.2	81.4	82.5	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 8000	80.3	84.5	85.7	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 7000	80.9	85.2	86.4	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 6000	81.5	85.8	87.0	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 5000	82.2	86.5	87.7	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 4500	82.3	86.6	87.8	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 4000	85.0	89.8	90.9	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 3500	85.9	90.8	92.0	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 3000	89.9	95.2	96.8	97.5	97.6	97.6	97.8	97.8	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1
GE 2500	90.2	95.5	97.1	98.0	98.2	98.2	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6
GE 2000	90.8	96.1	97.8	98.7	99.0	99.0	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 1800	90.8	96.1	97.8	98.7	99.0	99.0	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 1500	90.8	96.1	97.8	98.7	99.0	99.0	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 1200	90.8	96.1	97.8	98.7	99.0	99.0	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 1000	91.1	96.3	98.1	99.0	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 900	91.1	96.3	98.1	99.0	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 800	91.1	96.3	98.1	99.0	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 700	91.1	96.3	98.1	99.0	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 600	91.1	96.3	98.1	99.0	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 500	91.1	96.3	98.1	99.0	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	91.1	96.3	98.1	99.0	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	91.1	96.3	98.1	99.0	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	91.1	96.3	98.1	99.0	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	91.1	96.3	98.1	99.0	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	91.1	96.3	98.1	99.0	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 928

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.2	54.2	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 20000	79.3	81.2	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 18000	79.5	81.4	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 16000	79.5	81.4	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 14000	80.7	82.6	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 12000	84.7	86.6	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 10000	89.8	91.9	92.3	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 9000	90.4	92.6	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 8000	92.4	94.6	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 7000	92.6	94.7	95.1	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 6000	92.7	94.8	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 5000	93.0	95.1	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 4500	93.2	95.4	95.8	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 4000	94.1	96.4	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 3500	94.7	97.2	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 3000	95.8	98.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	95.8	98.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	95.8	98.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	95.8	98.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	95.8	98.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	95.8	98.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	95.8	98.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	95.8	98.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	95.8	98.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	95.8	98.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	95.8	98.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	95.8	98.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	95.8	98.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	95.8	98.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	95.8	98.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	95.8	98.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	95.8	98.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM BOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.6	59.6	60.5	60.9	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 20000	75.3	79.2	80.5	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 18000	75.5	79.5	80.8	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 16000	75.7	79.7	80.9	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 14000	77.0	81.0	82.3	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 12000	80.5	84.6	85.9	86.3	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 10000	85.1	89.3	90.6	91.1	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 9000	85.7	90.0	91.3	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 8000	87.2	91.6	92.9	93.4	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 7000	87.4	91.8	93.1	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 6000	87.5	91.9	93.2	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 5000	87.9	92.3	93.6	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 4500	88.0	92.4	93.8	94.3	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 4000	89.1	93.7	95.1	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 3500	89.8	94.4	95.9	96.4	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 3000	91.4	96.2	97.8	98.4	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 2500	91.6	96.3	97.9	98.6	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2000	91.9	96.6	98.3	99.0	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	91.9	96.6	98.3	99.0	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	91.9	96.7	98.4	99.0	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	92.0	96.8	98.4	99.1	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 1000	92.1	96.8	98.5	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	92.1	96.8	98.5	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	92.1	96.8	98.5	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	92.1	96.8	98.5	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 600	92.1	96.8	98.5	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 500	92.1	96.8	98.5	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	92.1	96.8	98.5	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	92.1	96.8	98.5	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	92.1	96.8	98.5	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	92.1	96.8	98.5	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	92.1	96.8	98.5	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7435

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: AUG HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	71.6	72.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 20000	84.9	86.7	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 18000	85.1	86.8	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 16000	85.3	87.0	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 14000	86.2	88.0	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 12000	88.1	90.1	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 10000	91.9	94.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 9000	92.3	94.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 8000	93.4	95.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 7000	93.4	96.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 6000	93.4	96.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 5000	93.5	96.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 4500	93.7	96.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 4000	93.8	96.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 3500	93.8	96.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 3000	94.3	97.2	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 2500	94.4	97.3	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 2000	94.8	97.7	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	94.8	97.7	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 1500	94.8	97.7	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	94.8	97.7	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	95.3	98.3	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	95.3	98.3	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	95.3	98.4	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	95.4	98.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	95.4	98.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	95.4	98.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	95.4	98.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	95.4	98.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	95.4	98.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	95.4	98.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	95.4	98.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: AUG HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	78.4	81.7	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 20000	84.9	88.5	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 18000	84.9	88.5	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 16000	85.1	88.6	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 14000	85.3	88.8	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 12000	86.5	90.2	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 10000	88.1	92.0	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 9000	88.9	92.9	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 8000	89.1	93.1	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 7000	89.1	93.1	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 6000	89.1	93.1	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 5000	89.1	93.1	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 4500	89.1	93.1	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 4000	89.4	93.4	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 3500	89.7	93.9	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 3000	90.1	94.3	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2500	90.4	94.6	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2000	90.8	94.9	97.8	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1800	90.8	95.1	98.0	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1500	91.0	95.3	98.2	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	91.0	95.3	98.3	98.9	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	91.0	95.5	98.5	99.1	99.1	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	91.0	95.5	98.6	99.2	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	91.0	95.5	98.6	99.2	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	91.3	95.8	98.9	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	91.3	95.8	98.9	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	91.3	95.8	98.9	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	91.3	95.8	98.9	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	91.3	95.8	98.9	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	91.3	95.8	98.9	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	91.3	95.8	98.9	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	91.3	95.8	98.9	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	63.2	70.1	72.2	74.2	74.9	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 20000	71.2	79.0	81.4	83.5	84.5	84.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 18000	71.2	79.0	81.5	83.8	84.7	84.8	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 16000	71.4	79.2	81.7	84.0	84.9	85.1	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 14000	72.7	80.6	83.2	85.5	86.7	86.8	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 12000	74.3	82.5	85.1	87.4	88.6	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 10000	75.9	84.3	86.9	89.2	90.4	90.8	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 9000	77.2	85.6	88.3	90.6	91.8	92.2	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 8000	78.2	86.6	89.2	91.8	93.0	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 7000	78.4	86.9	89.7	92.3	93.4	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 6000	78.9	87.4	90.2	92.8	94.0	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 5000	78.9	87.4	90.2	92.8	94.0	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 4500	78.9	87.4	90.2	92.8	94.0	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 4000	79.6	88.1	90.9	93.5	94.8	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 3500	80.0	88.7	91.6	94.4	95.7	96.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 3000	80.9	89.6	92.5	95.3	96.7	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2500	80.9	89.6	92.5	95.3	96.7	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2000	81.3	90.0	92.9	95.7	97.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1800	81.3	90.0	92.9	95.7	97.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1500	81.6	90.3	93.2	96.0	97.4	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1200	81.7	90.4	93.3	96.2	97.6	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	82.3	91.1	94.0	96.9	98.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	82.3	91.1	94.0	96.9	98.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	82.3	91.1	94.0	96.9	98.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	82.3	91.1	94.0	96.9	98.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	82.4	91.2	94.1	97.0	98.5	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	82.4	91.2	94.1	97.0	98.5	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	82.5	91.4	94.3	97.2	98.7	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	82.5	91.4	94.3	97.2	98.7	99.0	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	82.5	91.4	94.3	97.2	98.7	99.0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	82.5	91.4	94.3	97.2	98.7	99.0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	82.5	91.4	94.3	97.2	98.7	99.0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	66.3	71.1	72.4	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 20000	77.2	82.2	83.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 18000	77.3	82.3	83.7	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 16000	77.7	82.8	84.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 14000	78.9	84.0	85.4	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 12000	80.4	85.5	86.9	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 10000	83.2	88.4	90.1	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 9000	85.2	90.3	92.0	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 8000	86.2	91.5	93.2	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 7000	86.6	91.8	93.5	95.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 6000	86.7	91.9	93.7	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 5000	86.8	92.0	93.9	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 4500	86.8	92.0	93.9	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 4000	87.4	92.7	94.5	96.0	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 3500	87.8	93.2	95.2	96.7	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 3000	88.2	93.5	95.5	97.0	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2500	88.7	94.2	96.2	97.7	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2000	88.8	94.4	96.5	98.1	98.7	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 1800	88.8	94.4	96.5	98.1	98.7	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 1500	88.9	94.5	96.6	98.2	98.9	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 1200	89.0	94.6	96.7	98.3	99.0	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 1000	89.0	94.6	96.7	98.3	99.0	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 900	89.0	94.6	96.7	98.3	99.0	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 800	89.1	94.7	96.8	98.4	99.1	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 700	89.1	94.7	96.8	98.4	99.2	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 600	89.1	94.7	96.8	98.4	99.2	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 500	89.1	94.7	96.8	98.4	99.2	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 400	89.1	94.7	96.8	98.4	99.2	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 300	89.1	94.7	96.8	98.4	99.2	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 200	89.1	94.7	96.8	98.4	99.2	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 100	89.1	94.7	96.8	98.4	99.2	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 000	89.1	94.7	96.8	98.4	99.2	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.9	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 20000	78.0	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 18000	78.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 16000	78.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 14000	80.3	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 12000	83.3	87.5	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1
GE 10000	87.0	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0
GE 9000	87.5	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6
GE 8000	88.7	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9
GE 7000	89.0	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2
GE 6000	89.4	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5
GE 5000	89.8	94.4	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.1	95.1	95.1	95.1
GE 4500	89.8	94.5	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2
GE 4000	90.2	95.1	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7
GE 3500	90.6	95.5	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.3	96.3	96.3	96.3
GE 3000	92.3	97.2	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	98.1	98.1	98.1	98.1
GE 2500	93.0	98.0	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.7	98.8	98.8	99.0	99.0	99.0	99.0
GE 2000	93.1	98.1	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.9	99.0	99.0	99.2	99.2	99.2	99.2
GE 1800	93.2	98.2	98.7	98.7	98.8	98.8	98.8	98.8	98.8	99.0	99.1	99.1	99.4	99.4	99.4	99.4
GE 1500	93.4	98.4	99.0	99.0	99.2	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9
GE 1200	93.4	98.4	99.0	99.0	99.2	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9
GE 1000	93.5	98.5	99.1	99.1	99.4	99.4	99.5	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 900	93.5	98.5	99.1	99.1	99.4	99.4	99.5	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 800	93.5	98.5	99.1	99.1	99.4	99.4	99.5	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 700	93.5	98.5	99.1	99.1	99.4	99.4	99.5	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 600	93.5	98.5	99.1	99.1	99.4	99.4	99.5	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 500	93.5	98.5	99.1	99.1	99.4	99.4	99.5	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 400	93.5	98.5	99.1	99.1	99.4	99.4	99.5	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 300	93.5	98.5	99.1	99.1	99.4	99.4	99.5	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 200	93.5	98.5	99.1	99.1	99.4	99.4	99.5	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	93.5	98.5	99.1	99.1	99.4	99.4	99.5	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	93.5	98.5	99.1	99.1	99.4	99.4	99.5	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.2	41.3	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
GE 20000	71.3	72.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 18000	71.7	73.1	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 16000	72.4	73.9	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 14000	73.3	74.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 12000	77.5	79.5	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 10000	81.4	83.4	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 9000	82.0	84.1	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 8000	84.8	87.0	88.0	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 7000	85.5	87.7	88.7	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 6000	85.8	88.1	89.1	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 5000	86.7	89.0	90.1	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 4500	87.0	89.4	90.4	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 4000	88.6	91.4	92.5	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 3500	89.8	92.6	94.0	94.3	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 3000	91.2	94.6	96.1	96.6	97.4	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2500	91.7	95.4	97.0	97.4	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.7
GE 2000	92.4	96.0	97.6	98.2	99.1	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6
GE 1800	92.4	96.0	97.6	98.2	99.1	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6
GE 1500	92.5	96.1	97.7	98.3	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 1200	92.5	96.1	97.7	98.3	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 1000	92.5	96.1	97.7	98.3	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.8	99.8	99.9	99.9
GE 900	92.5	96.1	97.7	98.3	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.8	99.8	99.9	99.9
GE 800	92.5	96.1	97.7	98.3	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.8	99.8	99.9	99.9
GE 700	92.5	96.1	97.7	98.3	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.8	99.8	99.9	99.9
GE 600	92.5	96.1	97.7	98.3	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.8	99.8	99.9	99.9
GE 500	92.5	96.1	97.7	98.3	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.9	99.9	100.0	100.0
GE 400	92.5	96.1	97.7	98.3	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.9	99.9	100.0	100.0
GE 300	92.5	96.1	97.7	98.3	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.9	99.9	100.0	100.0
GE 200	92.5	96.1	97.7	98.3	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.9	99.9	100.0	100.0
GE 100	92.5	96.1	97.7	98.3	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.9	99.9	100.0	100.0
GE 000	92.5	96.1	97.7	98.3	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.2	36.9	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
GE 20000	65.4	66.7	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 18000	65.6	66.9	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 16000	66.0	67.3	67.5	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 14000	68.6	70.0	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 12000	72.5	74.3	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 10000	78.1	80.4	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 9000	79.0	81.4	81.8	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 8000	82.4	85.1	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 7000	82.6	85.3	86.1	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 6000	83.3	86.1	87.2	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 5000	84.1	87.0	88.2	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 4500	84.4	87.3	88.5	89.0	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5
GE 4000	86.5	89.4	90.6	91.3	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8
GE 3500	88.8	92.2	93.4	94.1	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7
GE 3000	90.6	94.1	95.6	96.3	96.8	97.1	97.2	97.4	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.6
GE 2500	91.2	94.6	96.2	97.2	97.7	98.1	98.2	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6
GE 2000	91.7	95.2	96.8	97.7	98.4	98.8	99.1	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 1800	91.7	95.2	96.8	97.7	98.4	98.8	99.1	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 1500	91.7	95.2	96.8	97.7	98.4	98.8	99.1	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 1200	91.7	95.2	96.8	97.7	98.4	98.8	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 1000	91.7	95.2	96.9	97.8	98.5	98.9	99.4	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 900	91.7	95.2	96.9	97.8	98.5	98.9	99.4	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 800	91.7	95.2	96.9	97.8	98.5	98.9	99.4	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 700	91.7	95.2	96.9	97.8	98.5	98.9	99.4	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 600	91.7	95.2	96.9	97.8	98.5	98.9	99.4	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 500	91.7	95.2	96.9	97.8	98.5	98.9	99.4	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	91.7	95.2	96.9	97.8	98.5	98.9	99.4	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	91.7	95.2	96.9	97.8	98.5	98.9	99.4	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	91.7	95.2	96.9	97.8	98.5	98.9	99.4	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	91.7	95.2	96.9	97.8	98.5	98.9	99.4	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	91.7	95.2	96.9	97.8	98.5	98.9	99.4	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.2	52.9	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 20000	74.7	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 18000	74.7	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 16000	75.1	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 14000	76.6	78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 12000	79.5	81.7	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 10000	86.7	89.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 9000	87.3	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 8000	90.9	93.8	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 7000	91.3	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 6000	91.3	94.3	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 5000	91.8	94.8	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 4500	92.0	95.1	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 4000	92.9	96.0	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 3500	93.7	96.8	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 3000	94.4	97.7	98.6	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1
GE 2500	94.5	97.8	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 2000	94.8	98.3	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1800	94.8	98.3	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1500	94.8	98.3	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1200	94.8	98.3	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1000	94.8	98.3	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 900	94.8	98.3	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 800	94.8	98.3	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 700	94.8	98.3	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 600	94.8	98.3	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 500	94.8	98.3	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	94.8	98.3	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	94.8	98.3	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	94.8	98.3	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	94.8	98.3	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	94.8	98.3	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.1	60.9	61.9	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 20000	76.0	79.2	80.3	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 18000	76.1	79.4	80.5	81.0	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 16000	76.5	79.8	80.9	81.4	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 14000	77.7	81.1	82.3	82.8	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 12000	80.3	83.9	85.1	85.7	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 10000	84.0	88.0	89.2	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2
GE 9000	84.9	88.9	90.1	90.8	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 8000	86.7	90.8	92.1	92.8	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 7000	87.0	91.1	92.5	93.2	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 6000	87.2	91.4	92.8	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 5000	87.6	91.8	93.2	93.9	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 4500	87.7	91.9	93.4	94.0	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5
GE 4000	88.5	92.8	94.3	95.0	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 3500	89.3	93.7	95.2	96.0	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 3000	90.2	94.8	96.4	97.2	97.6	97.7	97.8	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0
GE 2500	90.6	95.2	96.9	97.7	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5
GE 2000	91.0	95.6	97.3	98.1	98.6	98.7	98.9	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 1800	91.0	95.6	97.3	98.2	98.7	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 1500	91.1	95.7	97.4	98.3	98.8	98.9	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4
GE 1200	91.1	95.8	97.5	98.4	98.9	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 1000	91.3	95.9	97.7	98.6	99.1	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 900	91.3	95.9	97.7	98.6	99.1	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 800	91.3	96.0	97.7	98.6	99.2	99.3	99.5	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 700	91.3	96.0	97.8	98.7	99.2	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9
GE 600	91.3	96.0	97.8	98.7	99.2	99.4	99.6	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9
GE 500	91.3	96.0	97.8	98.7	99.2	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 400	91.4	96.1	97.8	98.7	99.3	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 300	91.4	96.1	97.8	98.7	99.3	99.4	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	91.4	96.1	97.8	98.7	99.3	99.4	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	91.4	96.1	97.8	98.7	99.3	99.4	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	91.4	96.1	97.8	98.7	99.3	99.4	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	68.6	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 20000	80.6	82.2	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 18000	80.7	82.3	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 16000	80.7	82.3	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 14000	81.6	83.2	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 12000	84.1	85.8	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 10000	87.8	89.4	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 9000	88.3	90.0	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 8000	90.3	92.1	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 7000	90.7	92.4	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 6000	91.1	92.9	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 5000	91.2	93.0	93.4	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 4500	91.3	93.1	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 4000	92.9	94.7	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 3500	93.8	95.6	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 3000	95.2	97.0	97.4	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2500	95.2	97.0	97.4	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2000	95.3	97.1	97.6	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1800	95.3	97.1	97.6	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1500	95.7	97.4	97.9	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1200	95.7	97.4	97.9	98.0	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	96.0	97.8	98.2	98.4	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	96.0	97.8	98.2	98.6	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	96.0	97.8	98.3	98.7	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	96.6	98.3	98.9	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	96.6	98.3	98.9	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	96.6	98.3	98.9	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.6	98.3	98.9	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.6	98.3	98.9	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.6	98.3	98.9	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.6	98.3	98.9	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.6	98.3	98.9	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	70.3	73.6	75.8	76.4	76.8	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 20000	78.2	82.2	84.4	85.2	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 18000	78.3	82.3	84.6	85.3	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 16000	78.3	82.3	84.6	85.3	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 14000	78.8	82.8	85.0	85.8	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 12000	80.6	84.6	86.9	87.7	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 10000	83.6	87.7	90.0	90.8	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 9000	84.4	88.6	90.9	91.7	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 8000	85.6	89.8	92.2	93.0	93.3	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 7000	85.7	89.9	92.3	93.1	93.4	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 6000	85.8	90.0	92.4	93.2	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 5000	86.3	90.6	93.0	93.8	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 4500	86.4	90.7	93.1	93.9	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 4000	87.3	91.6	94.1	94.9	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 3500	87.7	92.0	94.6	95.3	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 3000	88.7	93.0	95.7	96.4	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 2500	88.8	93.1	95.8	96.6	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2000	89.2	93.6	96.3	97.1	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1800	89.2	93.6	96.3	97.1	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1500	89.4	93.8	96.6	97.3	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1200	89.8	94.1	96.9	97.7	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	89.9	94.2	97.2	98.0	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	90.0	94.3	97.3	98.1	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	90.2	94.6	97.7	98.4	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	90.4	94.8	97.9	98.7	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	90.7	95.0	98.1	98.9	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	90.7	95.0	98.2	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	90.7	95.0	98.2	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	90.7	95.0	98.2	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.7	95.0	98.2	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.7	95.0	98.2	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	90.7	95.0	98.2	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.4	61.7	65.8	68.7	70.3	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 20000	62.3	71.4	75.6	78.4	80.1	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 18000	62.6	71.7	75.9	78.8	80.4	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 16000	62.7	71.9	76.1	79.0	80.7	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 14000	63.4	72.7	77.0	79.9	81.6	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 12000	67.3	76.6	80.9	83.9	85.6	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 10000	70.4	80.7	85.3	88.4	90.2	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 9000	71.4	81.8	86.6	89.7	91.4	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 8000	73.3	84.2	89.1	92.2	94.0	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 7000	73.7	84.7	89.6	92.7	94.4	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 6000	73.7	84.7	89.6	92.7	94.4	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 5000	74.0	85.0	89.9	93.0	94.8	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 4500	74.0	85.0	89.9	93.0	94.8	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 4000	74.6	85.7	90.6	93.9	95.7	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 3500	74.6	85.7	90.6	93.9	95.7	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 3000	75.1	86.4	91.3	94.8	96.7	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2500	75.3	86.7	91.6	95.0	97.0	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2000	75.6	86.9	91.8	95.2	97.2	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1800	75.6	86.9	91.8	95.2	97.2	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1500	75.6	87.0	91.9	95.3	97.3	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1200	75.6	87.0	91.9	95.3	97.4	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1000	75.9	87.3	92.2	95.7	97.8	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 900	75.9	87.3	92.2	95.7	97.8	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 800	75.9	87.3	92.2	95.7	97.8	98.1	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	76.0	87.4	92.3	95.8	97.9	98.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 600	76.0	87.4	92.3	95.8	97.9	98.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	76.0	87.4	92.4	96.0	98.2	98.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	76.0	87.4	92.4	96.0	98.2	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
GE 300	76.0	87.4	92.4	96.0	98.3	98.8	99.3	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 200	76.0	87.4	92.4	96.0	98.3	98.8	99.3	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0
GE 100	76.0	87.4	92.4	96.0	98.3	98.8	99.3	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0
GE 000	76.0	87.4	92.4	96.0	98.3	98.8	99.3	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.8	67.1	69.4	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 20000	72.6	79.3	81.7	82.2	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 18000	72.6	79.3	81.7	82.2	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 16000	72.8	79.6	81.9	82.4	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 14000	74.2	81.0	83.3	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 12000	76.7	83.4	85.8	86.3	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 10000	80.6	87.8	90.3	91.0	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 9000	81.4	88.7	91.2	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 8000	83.3	90.7	93.2	93.9	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 7000	83.3	90.8	93.3	94.0	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 6000	83.7	91.1	93.7	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 5000	84.2	91.8	94.4	95.1	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 4500	84.2	91.8	94.4	95.1	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 4000	84.8	92.4	95.1	95.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 3500	85.0	92.7	95.3	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 3000	85.4	93.1	95.9	96.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2500	85.6	93.2	96.0	96.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 2000	85.9	93.6	96.3	97.0	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 1800	85.9	93.6	96.3	97.0	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500	85.9	93.6	96.3	97.0	98.2	98.2	98.3	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	86.0	93.7	96.4	97.1	98.3	98.3	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	86.1	93.8	96.6	97.2	98.6	98.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	86.2	93.9	96.7	97.3	98.7	98.7	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	86.2	93.9	96.7	97.3	98.9	98.9	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	86.2	93.9	96.7	97.3	98.9	98.9	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	86.2	93.9	96.7	97.3	98.9	98.9	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	86.2	93.9	96.7	97.3	99.0	99.0	99.1	99.2	99.2	99.3	99.4	99.4	99.6	99.6	99.6	99.6
GE 400	86.2	93.9	96.7	97.3	99.2	99.2	99.3	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	86.2	93.9	96.7	97.3	99.2	99.2	99.3	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	86.2	93.9	96.7	97.3	99.2	99.2	99.3	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	86.2	93.9	96.7	97.3	99.2	99.2	99.3	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	86.2	93.9	96.7	97.3	99.2	99.2	99.3	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.3	63.9	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 20000	75.4	81.1	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 18000	76.1	81.8	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 16000	76.1	81.8	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 14000	76.6	82.2	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 12000	79.2	84.9	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 10000	82.3	88.1	89.0	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 9000	83.2	89.0	89.9	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 8000	85.0	90.8	91.9	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 7000	85.3	91.1	92.2	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 6000	85.3	91.1	92.2	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 5000	85.6	91.3	92.4	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 4500	85.7	91.4	92.6	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 4000	87.0	93.0	94.1	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 3500	87.6	93.6	94.7	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 3000	89.2	95.6	96.7	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2500	89.6	96.3	97.4	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2000	89.7	96.4	97.7	98.3	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	89.7	96.4	97.7	98.3	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	89.8	96.6	97.8	98.4	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	89.8	96.6	97.8	98.4	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	90.1	96.9	98.1	98.9	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	90.1	96.9	98.1	98.9	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	90.1	96.9	98.1	98.9	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	90.1	96.9	98.1	98.9	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	90.1	96.9	98.1	98.9	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	90.1	96.9	98.1	98.9	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	90.1	96.9	98.1	98.9	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	90.1	96.9	98.1	98.9	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.1	96.9	98.1	98.9	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.1	96.9	98.1	98.9	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	90.1	96.9	98.1	98.9	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.4	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 20000	69.7	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 18000	70.0	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 16000	70.0	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 14000	71.0	75.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 12000	74.3	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 10000	77.9	83.1	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 9000	79.8	85.1	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 8000	82.6	88.7	89.1	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 7000	83.1	89.2	89.7	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 6000	83.1	89.4	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 5000	83.6	90.1	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 4500	83.6	90.1	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 4000	85.3	92.0	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 3500	86.2	93.4	94.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.8	94.8	94.8	94.8
GE 3000	87.9	95.1	96.7	97.0	97.2	97.2	97.2	97.2	97.2	97.3	97.4	97.4	97.6	97.6	97.6	97.6
GE 2500	88.3	95.7	97.2	97.6	97.9	97.9	97.9	98.0	98.0	98.1	98.2	98.2	98.3	98.3	98.3	98.3
GE 2000	88.4	96.0	97.6	97.9	98.3	98.3	98.3	98.4	98.4	98.7	98.8	98.8	99.0	99.0	99.0	99.0
GE 1800	88.4	96.0	97.6	97.9	98.3	98.3	98.3	98.4	98.4	98.7	98.8	98.8	99.0	99.0	99.0	99.0
GE 1500	88.4	96.1	97.7	98.0	98.4	98.4	98.4	98.6	98.6	98.8	98.9	98.9	99.1	99.1	99.1	99.1
GE 1200	88.4	96.2	97.8	98.1	98.6	98.6	98.6	98.7	98.7	98.9	99.0	99.0	99.2	99.2	99.2	99.2
GE 1000	88.7	96.4	98.1	98.4	98.9	98.9	98.9	99.0	99.0	99.2	99.3	99.3	99.6	99.6	99.6	99.6
GE 900	88.7	96.4	98.1	98.4	98.9	98.9	98.9	99.0	99.0	99.2	99.3	99.3	99.6	99.6	99.6	99.6
GE 800	88.7	96.4	98.1	98.4	98.9	98.9	99.0	99.1	99.1	99.3	99.4	99.4	99.7	99.7	99.7	99.7
GE 700	88.9	96.7	98.3	98.7	99.1	99.1	99.2	99.3	99.3	99.6	99.7	99.7	99.9	99.9	99.9	99.9
GE 600	88.9	96.7	98.3	98.7	99.1	99.1	99.2	99.4	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 500	88.9	96.7	98.3	98.7	99.1	99.1	99.2	99.4	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 400	88.9	96.7	98.3	98.7	99.1	99.1	99.2	99.4	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 300	88.9	96.7	98.3	98.7	99.1	99.1	99.2	99.4	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 200	88.9	96.7	98.3	98.7	99.1	99.1	99.2	99.4	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	88.9	96.7	98.3	98.7	99.1	99.1	99.2	99.4	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	88.9	96.7	98.3	98.7	99.1	99.1	99.2	99.4	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.4	49.3	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 20000	67.9	71.1	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 18000	68.2	71.4	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 16000	68.7	71.9	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 14000	69.9	73.1	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 12000	72.7	76.2	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 10000	76.3	80.7	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 9000	77.8	82.1	82.8	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 8000	80.2	84.6	85.4	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 7000	80.8	85.3	86.3	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 6000	81.1	85.7	86.7	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 5000	81.6	86.2	87.2	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 4500	82.1	86.8	87.8	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 4000	85.7	90.8	92.0	92.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 3500	87.0	92.2	93.4	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 3000	89.6	95.2	96.7	97.0	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2500	90.0	95.7	97.1	97.4	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2000	90.6	96.4	97.9	98.2	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	90.6	96.4	97.9	98.2	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	90.6	96.4	97.9	98.2	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	90.6	96.4	97.9	98.2	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	90.9	97.1	98.7	99.0	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	90.9	97.1	98.7	99.0	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	90.9	97.1	98.7	99.0	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	90.9	97.1	98.7	99.0	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	90.9	97.1	98.7	99.0	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	90.9	97.1	98.7	99.0	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	90.9	97.1	98.7	99.0	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	90.9	97.1	98.7	99.0	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	90.9	97.1	98.7	99.0	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	90.9	97.1	98.7	99.0	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	90.9	97.1	98.7	99.0	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.6	59.0	59.0	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 20000	76.6	77.4	77.4	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 18000	76.9	77.8	77.8	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 16000	77.0	77.9	77.9	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 14000	77.6	78.4	78.4	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 12000	81.8	82.9	82.9	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 10000	85.4	86.7	86.7	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 9000	86.9	88.1	88.1	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 8000	89.2	90.8	90.8	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 7000	89.3	90.9	90.9	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 6000	89.3	90.9	90.9	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 5000	90.1	91.7	91.7	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 4500	90.3	91.9	91.9	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 4000	92.6	94.4	94.4	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 3500	93.3	95.2	95.2	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 3000	95.2	97.2	97.6	98.0	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2500	95.3	97.3	97.7	98.1	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2000	95.4	97.6	97.9	98.3	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1800	95.4	97.6	98.0	98.4	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	95.6	97.7	98.1	98.7	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
GE 1200	95.7	97.8	98.3	98.9	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 1000	95.7	97.8	98.3	99.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 900	95.8	97.9	98.4	99.1	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 800	95.8	97.9	98.4	99.1	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 700	95.9	98.0	98.6	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 600	95.9	98.0	98.6	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 500	95.9	98.0	98.6	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	95.9	98.0	98.6	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	95.9	98.0	98.6	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	95.9	98.0	98.6	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	95.9	98.0	98.6	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	95.9	98.0	98.6	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.9	62.3	63.6	64.2	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 20000	72.9	77.4	78.7	79.3	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 18000	73.2	77.6	79.0	79.6	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 16000	73.3	77.8	79.1	79.7	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 14000	74.1	78.6	79.9	80.5	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 12000	77.1	81.7	83.0	83.7	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 10000	80.5	85.5	87.0	87.7	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 9000	81.7	86.7	88.2	88.9	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 8000	83.7	88.9	90.5	91.3	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 7000	84.0	89.3	90.9	91.6	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 6000	84.1	89.5	91.1	91.8	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 5000	84.6	90.0	91.6	92.3	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 4500	84.7	90.1	91.7	92.4	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 4000	86.3	91.8	93.5	94.3	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 3500	86.9	92.5	94.3	95.0	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 3000	88.3	94.1	96.0	96.8	97.5	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2500	88.5	94.4	96.3	97.1	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2000	88.8	94.7	96.6	97.5	98.2	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
GE 1800	88.8	94.7	96.6	97.5	98.2	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
GE 1500	88.9	94.8	96.8	97.6	98.4	98.4	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	88.9	94.9	96.9	97.7	98.6	98.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	89.2	95.2	97.2	98.1	98.9	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	89.2	95.2	97.2	98.1	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
GE 800	89.2	95.2	97.3	98.2	99.1	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	89.4	95.4	97.4	98.3	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 600	89.4	95.4	97.5	98.4	99.3	99.3	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	89.4	95.4	97.5	98.4	99.3	99.4	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	89.4	95.4	97.5	98.4	99.4	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	89.4	95.4	97.5	98.4	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	89.4	95.4	97.5	98.4	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	89.4	95.4	97.5	98.4	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	89.4	95.4	97.5	98.4	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: OCT HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	78.2	79.1	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 20000	82.6	83.5	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 18000	82.8	83.8	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 16000	82.8	83.8	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 14000	83.1	84.1	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 12000	83.7	84.6	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 10000	85.8	86.9	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 9000	86.8	87.8	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 8000	88.5	89.8	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 7000	89.0	90.3	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 6000	89.2	90.5	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 5000	89.8	91.1	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 4500	90.4	91.7	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 4000	92.5	93.8	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 3500	92.9	94.3	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 3000	93.2	94.8	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2500	93.4	95.1	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 2000	93.9	95.7	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1800	93.9	95.7	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1500	94.3	96.1	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1200	94.7	96.6	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1000	94.9	96.9	97.7	98.0	98.0	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 900	95.1	97.3	98.2	98.4	98.4	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 800	95.2	97.4	98.3	98.5	98.5	98.5	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	95.6	97.8	98.7	99.0	99.0	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	95.9	98.2	99.0	99.4	99.4	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	95.9	98.2	99.0	99.5	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	95.9	98.2	99.0	99.5	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	95.9	98.2	99.0	99.5	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	95.9	98.2	99.0	99.5	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 100	95.9	98.2	99.0	99.5	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 000	95.9	98.2	99.0	99.5	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: OCT HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	71.4	74.0	75.4	76.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 20000	76.0	78.9	80.4	81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 18000	76.0	78.9	80.4	81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 16000	76.0	78.9	80.4	81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 14000	76.2	79.1	80.6	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 12000	77.2	80.1	81.6	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 10000	79.2	82.2	83.8	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 9000	79.8	82.9	84.7	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 8000	81.4	84.6	86.6	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 7000	82.0	85.3	87.2	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 6000	82.8	86.0	88.0	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 5000	83.5	86.8	88.7	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 4500	84.2	87.6	89.6	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 4000	85.5	89.0	91.0	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 3500	85.9	89.5	91.4	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 3000	86.1	89.7	91.6	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 2500	86.7	90.2	92.2	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 2000	87.0	90.5	92.5	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1800	87.0	90.5	92.5	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1500	87.2	90.8	92.7	93.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1200	87.3	91.0	92.9	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1000	88.6	92.3	94.2	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 900	89.1	93.0	94.9	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 800	89.4	93.2	95.2	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 700	89.5	93.5	96.1	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 600	89.5	93.7	96.6	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 500	89.8	94.0	96.9	98.0	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	90.0	94.2	97.1	98.2	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	90.0	94.2	97.2	98.3	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5
GE 200	90.0	94.2	97.2	98.3	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.9	99.9
GE 100	90.0	94.2	97.2	98.3	99.2	99.2	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.8	100.0	100.0
GE 000	90.0	94.2	97.2	98.3	99.2	99.2	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.7	65.7	68.3	70.5	71.4	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 20000	64.7	71.1	73.8	76.1	77.0	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 18000	64.7	71.1	73.8	76.1	77.0	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 16000	64.7	71.1	73.8	76.1	77.0	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 14000	65.4	71.8	74.5	76.9	77.7	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 12000	66.7	73.1	75.8	78.2	79.0	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 10000	68.9	75.5	78.4	80.9	81.7	81.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 9000	69.4	76.2	79.4	81.8	82.7	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 8000	70.5	77.4	80.5	83.0	83.9	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 7000	71.3	78.2	81.4	83.9	84.7	84.9	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 6000	71.8	78.7	81.9	84.5	85.4	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 5000	72.0	79.1	82.5	85.1	85.9	86.1	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 4500	72.6	80.1	83.4	86.0	86.9	87.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 4000	73.3	81.0	84.4	87.0	88.0	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 3500	73.9	81.7	85.2	87.7	88.7	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 3000	74.2	82.0	85.5	88.2	89.2	89.5	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 2500	74.2	82.0	85.5	88.2	89.2	89.5	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 2000	74.5	82.4	86.1	88.8	89.9	90.1	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 1800	74.5	82.4	86.1	88.8	89.9	90.1	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 1500	74.5	82.6	86.3	89.0	90.1	90.3	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 1200	74.9	83.1	87.0	89.7	90.8	91.0	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 1000	75.3	83.4	87.3	90.0	91.1	91.3	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 900	75.3	83.5	87.5	90.2	91.3	91.5	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 800	75.8	84.3	88.3	91.2	92.3	92.5	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 700	75.8	84.5	88.7	91.8	92.9	93.1	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 600	76.0	85.1	89.6	92.9	94.4	94.6	95.2	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4
GE 500	76.2	85.5	90.3	94.2	96.2	96.5	97.0	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3
GE 400	76.2	85.5	90.5	94.8	96.9	97.1	97.7	98.0	98.0	98.4	98.6	98.6	98.6	98.6	98.6	98.7
GE 300	76.2	85.5	90.6	94.9	97.0	97.2	97.8	98.1	98.1	98.5	98.7	98.7	98.8	98.8	98.8	98.9
GE 200	76.3	85.7	90.9	95.2	97.2	97.4	98.3	98.5	98.5	98.9	99.5	99.5	99.6	99.6	99.7	99.8
GE 100	76.3	85.7	90.9	95.2	97.2	97.4	98.3	98.5	98.5	98.9	99.5	99.5	99.6	99.6	99.7	100.0
GE 000	76.3	85.7	90.9	95.2	97.2	97.4	98.3	98.5	98.5	98.9	99.5	99.5	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	67.2	71.6	72.8	73.1	73.3	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 20000	73.2	77.8	79.1	79.5	79.7	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 18000	73.3	78.0	79.2	79.6	79.8	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 16000	73.3	78.0	79.2	79.6	79.8	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 14000	73.9	78.5	79.8	80.1	80.3	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 12000	74.9	79.7	81.0	81.4	81.6	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 10000	77.2	82.7	84.1	84.5	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 9000	77.7	83.2	84.6	85.1	85.4	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 8000	78.6	84.1	85.5	86.0	86.3	86.3	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 7000	79.6	85.2	86.6	87.3	87.6	87.6	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 6000	79.8	85.4	86.8	87.5	87.8	87.8	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 5000	80.2	86.1	87.6	88.4	88.7	88.7	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 4500	80.5	86.8	88.3	89.0	89.5	89.5	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 4000	80.6	87.1	88.6	89.4	89.8	89.8	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 3500	81.1	87.7	89.2	90.0	90.4	90.4	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 3000	81.9	88.7	90.3	91.1	91.6	91.7	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 2500	82.2	88.9	90.5	91.3	91.8	91.9	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 2000	82.9	89.9	91.5	92.3	92.8	92.9	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1800	82.9	89.9	91.5	92.3	92.8	92.9	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1500	83.8	90.9	92.5	93.2	93.8	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1200	84.3	91.4	93.1	93.9	94.4	94.5	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1000	84.8	92.2	93.9	94.8	95.4	95.5	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 900	84.9	92.3	94.1	95.2	95.7	95.8	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 800	85.3	92.6	94.6	95.7	96.3	96.5	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 700	85.4	92.8	95.2	96.3	97.0	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 600	85.4	92.8	95.2	96.3	97.1	97.2	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 500	85.4	92.9	95.4	96.8	97.7	97.8	98.5	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 400	85.4	92.9	95.4	96.9	98.0	98.1	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.5	99.5
GE 300	85.4	92.9	95.4	96.9	98.0	98.1	98.7	99.1	99.1	99.5	99.5	99.6	99.6	99.6	99.7	99.7
GE 200	85.4	92.9	95.4	96.9	98.0	98.1	98.7	99.1	99.1	99.5	99.5	99.6	99.9	99.9	100.0	100.0
GE 100	85.4	92.9	95.4	96.9	98.0	98.1	98.7	99.1	99.1	99.5	99.5	99.6	99.9	99.9	100.0	100.0
GE 000	85.4	92.9	95.4	96.9	98.0	98.1	98.7	99.1	99.1	99.5	99.5	99.6	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	68.8	71.8	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 20000	78.9	82.2	82.7	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 18000	79.1	82.4	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 16000	79.2	82.5	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 14000	79.9	83.1	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 12000	80.5	83.8	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 10000	82.9	86.6	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 9000	84.1	87.7	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 8000	85.5	89.1	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 7000	87.1	90.9	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 6000	87.4	91.4	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 5000	88.0	92.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 4500	88.1	92.2	93.1	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 4000	88.7	93.0	94.0	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 3500	89.1	93.5	94.5	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 3000	91.1	95.5	96.6	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 2500	91.6	96.0	97.2	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2000	92.0	96.5	97.6	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1800	92.0	96.5	97.6	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1500	92.4	96.8	98.0	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1200	92.9	97.4	98.6	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	93.0	97.5	98.7	98.8	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	93.0	97.5	98.7	98.8	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	93.0	97.5	98.7	98.8	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	93.0	97.5	98.7	98.8	99.2	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	93.0	97.5	98.7	98.8	99.2	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	93.0	97.5	98.7	98.8	99.2	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 400	93.0	97.5	98.7	98.8	99.2	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 300	93.0	97.5	98.7	98.8	99.2	99.2	99.4	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	93.0	97.5	98.7	98.8	99.2	99.2	99.4	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	93.0	97.5	98.7	98.8	99.2	99.2	99.4	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	93.0	97.5	98.7	98.8	99.2	99.2	99.4	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	65.8	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 20000	77.4	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 18000	77.5	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 16000	77.5	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 14000	78.3	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 12000	80.4	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 10000	83.9	86.8	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 9000	85.1	88.0	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 8000	87.2	90.4	90.9	91.2	91.2	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 7000	87.7	91.0	91.4	91.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 6000	88.4	91.6	92.0	92.4	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 5000	89.1	92.4	92.8	93.1	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 4500	89.2	92.5	92.9	93.2	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 4000	91.1	94.3	94.8	95.2	95.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 3500	91.9	95.3	95.8	96.1	96.2	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 3000	93.0	96.5	97.0	97.5	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2
GE 2500	93.5	97.2	97.7	98.4	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 2000	94.0	97.6	98.2	98.8	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 1800	94.0	97.6	98.2	98.8	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 1500	94.2	97.8	98.5	99.1	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 1200	94.3	98.0	98.6	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1000	94.3	98.0	98.6	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 900	94.3	98.0	98.6	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 800	94.3	98.0	98.6	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 700	94.3	98.0	98.6	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 600	94.3	98.0	98.6	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 500	94.3	98.0	98.6	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	94.3	98.0	98.6	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	94.3	98.0	98.6	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	94.3	98.0	98.6	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	94.3	98.0	98.6	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	94.3	98.0	98.6	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	67.5	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 20000	78.4	79.9	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 18000	78.4	79.9	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 16000	78.4	79.9	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 14000	79.6	81.1	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 12000	80.9	82.5	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 10000	84.6	86.2	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 9000	85.8	87.4	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 8000	88.0	89.6	89.8	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 7000	88.5	90.1	90.3	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 6000	88.7	90.3	90.5	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 5000	89.6	91.2	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 4500	89.9	91.5	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 4000	91.9	93.7	94.0	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 3500	92.4	94.4	94.8	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 3000	93.7	95.7	96.2	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 2500	94.4	96.7	97.2	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2000	94.6	97.0	97.7	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1800	94.6	97.0	97.7	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1500	95.3	97.6	98.6	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	95.4	97.7	98.7	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	95.4	97.7	98.7	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	95.4	97.7	98.7	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	95.4	97.7	98.7	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	95.4	97.7	98.7	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	95.4	97.7	98.7	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	95.4	97.8	98.8	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	95.4	97.8	98.8	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	95.4	97.8	98.8	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	95.4	97.8	98.8	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	95.4	97.8	98.8	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	95.4	97.8	98.8	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	76.6	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 20000	81.5	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 18000	81.5	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 16000	81.5	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 14000	81.8	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 12000	83.5	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 10000	86.2	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 9000	87.3	88.3	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 8000	89.0	90.3	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 7000	89.2	90.6	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 6000	89.7	91.1	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 5000	90.5	91.9	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 4500	90.6	92.0	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 4000	93.3	94.7	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 3500	94.1	95.5	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 3000	95.2	96.6	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2500	95.3	96.8	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2000	95.7	97.4	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1800	95.8	97.5	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1500	95.9	97.6	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	96.5	98.2	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	96.6	98.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	96.8	98.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	96.8	98.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	96.8	98.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	96.8	98.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	96.8	98.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.8	98.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.8	98.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.8	98.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.8	98.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.8	98.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	69.4	72.1	72.8	73.3	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 20000	76.6	79.5	80.3	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 18000	76.7	79.6	80.4	80.8	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 16000	76.7	79.6	80.4	80.9	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 14000	77.3	80.2	81.0	81.5	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 12000	78.5	81.4	82.2	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 10000	81.1	84.2	85.2	85.8	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 9000	82.0	85.2	86.3	86.8	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 8000	83.6	86.9	88.0	88.6	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 7000	84.3	87.7	88.8	89.4	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 6000	84.7	88.1	89.3	89.9	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 5000	85.3	88.8	90.0	90.6	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 4500	85.7	89.3	90.5	91.1	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 4000	87.1	90.8	92.0	92.6	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 3500	87.7	91.5	92.7	93.4	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 3000	88.5	92.4	93.8	94.4	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 2500	88.9	92.9	94.2	94.9	95.3	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 2000	89.3	93.4	94.8	95.5	95.9	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1800	89.3	93.4	94.8	95.5	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1500	89.7	93.8	95.2	96.0	96.3	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1200	90.0	94.2	95.7	96.4	96.8	96.8	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1000	90.4	94.5	96.1	96.8	97.2	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 900	90.5	94.7	96.3	97.1	97.5	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 800	90.6	94.9	96.5	97.3	97.7	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	90.7	95.1	96.8	97.7	98.1	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5
GE 600	90.8	95.2	97.0	97.9	98.4	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	90.8	95.3	97.2	98.2	98.8	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	90.9	95.3	97.2	98.4	99.0	99.0	99.3	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	90.9	95.3	97.3	98.4	99.0	99.0	99.3	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 200	90.9	95.4	97.3	98.4	99.0	99.1	99.4	99.5	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0
GE 100	90.9	95.4	97.3	98.4	99.0	99.1	99.4	99.5	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0
GE 000	90.9	95.4	97.3	98.4	99.0	99.1	99.4	99.5	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	65.1	66.4	66.8	67.7	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 20000	70.0	71.3	71.7	72.7	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 18000	70.1	71.4	71.8	72.8	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 16000	70.2	71.6	71.9	72.9	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 14000	71.4	72.8	73.1	74.1	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 12000	73.3	74.7	75.0	76.0	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 10000	76.0	77.3	77.7	78.7	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 9000	77.1	78.4	78.8	79.8	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 8000	78.7	80.2	80.6	81.6	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 7000	79.0	80.7	81.0	82.0	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 6000	79.1	80.8	81.1	82.1	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 5000	81.2	83.0	83.3	84.3	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 4500	81.9	83.7	84.0	85.0	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 4000	84.3	86.2	86.6	87.8	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 3500	85.8	87.8	88.3	89.6	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 3000	86.1	88.1	88.7	89.9	90.4	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 2500	87.2	89.2	89.8	91.0	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 2000	88.2	90.4	91.0	92.2	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 1800	88.4	90.7	91.2	92.4	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1500	89.2	91.4	92.1	93.3	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1200	90.6	92.8	93.4	94.7	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1000	91.1	93.3	94.2	95.4	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 900	91.2	93.4	94.3	95.7	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 800	91.6	94.0	95.1	96.4	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 700	92.0	94.4	95.6	96.9	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 600	92.1	94.6	95.7	97.0	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 500	92.1	94.7	95.8	97.1	98.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 400	92.1	94.7	95.8	97.2	98.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 300	92.2	94.9	96.0	97.4	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 200	92.2	94.9	96.0	97.4	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.3
GE 100	92.2	94.9	96.0	97.4	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.7
GE 000	92.2	94.9	96.0	97.4	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.4	62.8	64.4	65.0	65.8	65.8	66.1	66.2	66.2	66.4	66.6	66.6	66.8	66.8	66.9	67.1
GE 20000	62.4	65.8	67.4	68.0	68.8	68.8	69.1	69.2	69.2	69.4	69.6	69.6	69.8	69.8	69.9	70.1
GE 18000	62.4	65.8	67.4	68.0	68.8	68.8	69.1	69.2	69.2	69.4	69.6	69.6	69.8	69.8	69.9	70.1
GE 16000	62.4	65.8	67.4	68.0	68.8	68.8	69.1	69.2	69.2	69.4	69.6	69.6	69.8	69.8	69.9	70.1
GE 14000	63.2	66.6	68.2	68.8	69.6	69.6	69.9	70.0	70.0	70.2	70.3	70.3	70.6	70.6	70.7	70.9
GE 12000	64.8	68.1	69.8	70.3	71.1	71.1	71.4	71.6	71.6	71.8	71.9	71.9	72.1	72.1	72.2	72.4
GE 10000	66.8	70.1	71.8	72.3	73.1	73.1	73.6	73.7	73.7	73.9	74.0	74.0	74.2	74.2	74.3	74.6
GE 9000	67.1	70.4	72.1	72.7	73.4	73.4	73.9	74.0	74.0	74.2	74.3	74.3	74.6	74.6	74.7	74.9
GE 8000	69.6	72.9	74.6	75.1	75.9	75.9	76.3	76.4	76.4	76.7	76.8	76.8	77.0	77.0	77.1	77.3
GE 7000	70.6	73.9	75.5	76.1	76.9	76.9	77.3	77.4	77.4	77.7	77.8	77.8	78.0	78.0	78.1	78.3
GE 6000	70.8	74.1	75.8	76.3	77.1	77.1	77.6	77.7	77.7	77.9	78.0	78.0	78.2	78.2	78.3	78.6
GE 5000	71.9	75.4	77.1	77.9	78.8	78.8	79.2	79.3	79.3	79.6	79.7	79.7	79.9	79.9	80.0	80.2
GE 4500	72.6	76.1	77.8	78.6	79.4	79.4	79.9	80.0	80.0	80.2	80.3	80.3	80.6	80.6	80.7	80.9
GE 4000	75.0	78.7	80.4	81.2	82.1	82.1	82.6	82.7	82.7	82.9	83.0	83.0	83.2	83.2	83.3	83.6
GE 3500	76.7	80.4	82.6	83.3	84.2	84.2	84.7	84.8	84.8	85.0	85.1	85.1	85.3	85.3	85.4	85.7
GE 3000	78.1	82.0	84.2	85.0	85.9	85.9	86.3	86.4	86.4	86.7	86.8	86.8	87.0	87.0	87.1	87.3
GE 2500	78.7	82.8	85.0	85.8	86.7	86.7	87.1	87.2	87.2	87.4	87.6	87.6	87.8	87.8	87.9	88.1
GE 2000	80.7	84.9	87.1	87.9	88.8	88.8	89.2	89.3	89.3	89.6	89.7	89.7	89.9	89.9	90.0	90.2
GE 1800	81.4	85.8	88.0	88.8	89.7	89.7	90.1	90.2	90.2	90.4	90.6	90.6	90.8	90.8	90.9	91.1
GE 1500	82.4	86.9	89.2	90.0	90.9	90.9	91.3	91.4	91.4	91.7	91.8	91.8	92.0	92.0	92.1	92.3
GE 1200	82.9	87.3	89.7	90.4	91.6	91.6	92.0	92.1	92.1	92.3	92.4	92.4	92.7	92.7	92.8	93.0
GE 1000	83.2	87.9	90.4	91.2	92.3	92.3	92.8	92.9	92.9	93.1	93.2	93.2	93.4	93.4	93.6	93.8
GE 900	83.7	88.4	91.0	91.8	92.9	92.9	93.7	93.8	93.8	94.0	94.1	94.1	94.3	94.3	94.4	94.7
GE 800	84.2	89.1	91.7	92.4	93.6	93.6	94.3	94.4	94.4	94.7	94.8	94.8	95.0	95.0	95.1	95.3
GE 700	84.7	89.6	92.2	93.0	94.1	94.1	94.9	95.0	95.0	95.2	95.3	95.3	95.6	95.6	95.7	95.9
GE 600	84.9	89.8	92.4	93.2	94.3	94.3	95.1	95.2	95.2	95.4	95.6	95.6	95.8	95.8	95.9	96.1
GE 500	84.9	89.8	92.4	93.3	94.6	94.6	95.4	95.6	95.6	95.8	95.9	95.9	96.1	96.1	96.2	96.4
GE 400	84.9	89.8	92.4	93.4	94.7	94.8	95.8	95.9	95.9	96.1	96.2	96.2	96.6	96.6	96.7	96.9
GE 300	85.0	89.9	92.7	94.0	95.3	95.4	96.6	96.7	96.8	97.0	97.1	97.1	97.4	97.4	97.6	97.8
GE 200	85.0	89.9	92.7	94.1	95.6	95.7	96.9	97.0	97.1	97.4	97.6	97.6	98.1	98.1	98.2	98.6
GE 100	85.0	89.9	92.7	94.1	95.6	95.7	96.9	97.1	97.2	97.7	98.0	98.0	98.7	98.7	99.0	99.4
GE 000	85.0	89.9	92.7	94.1	95.6	95.7	96.9	97.1	97.2	97.7	98.0	98.0	98.7	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.9	53.8	56.3	57.9	59.3	59.6	59.9	60.2	60.3	60.7	60.8	60.8	61.2	61.2	61.2	61.2
GE 20000	52.6	57.7	60.4	62.2	63.7	63.9	64.2	64.6	64.7	65.0	65.1	65.1	65.6	65.6	65.6	65.6
GE 18000	52.6	57.7	60.4	62.2	63.7	63.9	64.2	64.6	64.7	65.0	65.1	65.1	65.6	65.6	65.6	65.6
GE 16000	52.7	57.8	60.6	62.3	63.8	64.0	64.3	64.7	64.8	65.1	65.2	65.2	65.7	65.7	65.7	65.7
GE 14000	52.9	58.0	60.8	62.6	64.0	64.2	64.6	64.9	65.0	65.3	65.4	65.4	65.9	65.9	65.9	65.9
GE 12000	53.6	58.7	61.6	63.4	64.9	65.1	65.4	65.8	65.9	66.2	66.3	66.3	66.8	66.8	66.8	66.8
GE 10000	55.1	60.2	63.7	65.7	67.3	67.6	68.0	68.3	68.4	68.8	68.9	68.9	69.3	69.3	69.3	69.3
GE 9000	55.4	60.8	64.2	66.2	67.9	68.1	68.6	68.9	69.0	69.3	69.4	69.4	69.9	69.9	69.9	69.9
GE 8000	58.2	63.9	67.3	69.4	71.3	71.6	72.0	72.3	72.4	72.8	72.9	72.9	73.3	73.3	73.3	73.3
GE 7000	58.7	64.4	67.9	70.0	71.9	72.1	72.6	72.9	73.0	73.3	73.4	73.4	73.9	73.9	73.9	73.9
GE 6000	58.9	64.7	68.1	70.2	72.1	72.3	72.8	73.1	73.2	73.6	73.7	73.7	74.1	74.1	74.1	74.1
GE 5000	60.1	66.0	69.6	71.7	73.6	73.8	74.2	74.6	74.7	75.0	75.1	75.1	75.6	75.6	75.6	75.6
GE 4500	60.7	66.7	70.3	72.4	74.3	74.6	75.0	75.3	75.4	75.8	75.9	75.9	76.3	76.3	76.3	76.3
GE 4000	63.3	70.2	74.6	76.7	78.6	78.9	79.3	79.7	79.8	80.1	80.2	80.2	80.7	80.7	80.7	80.7
GE 3500	65.2	72.7	77.1	79.2	81.1	81.4	81.9	82.2	82.3	82.7	82.8	82.8	83.2	83.2	83.2	83.2
GE 3000	66.1	73.7	78.2	80.3	82.2	82.6	83.0	83.3	83.4	83.8	83.9	83.9	84.3	84.3	84.3	84.3
GE 2500	66.4	74.0	78.6	80.7	82.6	82.9	83.3	83.7	83.8	84.1	84.2	84.2	84.7	84.7	84.7	84.7
GE 2000	67.6	75.4	80.1	82.4	84.3	84.7	85.1	85.4	85.6	86.0	86.1	86.1	86.6	86.6	86.6	86.6
GE 1800	67.9	76.0	80.7	83.0	84.9	85.2	85.7	86.0	86.1	86.6	86.7	86.7	87.1	87.1	87.1	87.1
GE 1500	69.2	77.6	82.6	84.9	86.8	87.1	87.6	87.9	88.0	88.4	88.6	88.6	89.0	89.0	89.0	89.0
GE 1200	69.6	78.2	83.2	85.6	87.6	87.9	88.3	88.7	88.8	89.2	89.3	89.3	89.8	89.8	89.8	89.8
GE 1000	69.6	78.3	83.4	85.9	87.9	88.2	88.7	89.0	89.1	89.6	89.7	89.7	90.1	90.1	90.1	90.1
GE 900	69.8	78.6	83.8	86.3	88.3	88.7	89.1	89.4	89.6	90.0	90.1	90.1	90.6	90.6	90.6	90.6
GE 800	70.4	79.4	84.8	87.3	89.4	89.8	90.2	90.7	90.8	91.2	91.3	91.3	91.8	91.8	91.8	91.8
GE 700	70.9	79.9	85.6	88.2	90.3	90.7	91.1	91.6	91.7	92.1	92.2	92.2	92.7	92.7	92.7	92.7
GE 600	71.2	80.3	86.1	89.0	91.1	91.4	91.9	92.3	92.4	92.9	93.0	93.0	93.4	93.4	93.4	93.6
GE 500	71.3	80.6	86.6	89.6	91.7	92.0	92.7	93.1	93.2	93.7	93.8	93.8	94.2	94.2	94.2	94.4
GE 400	71.4	80.9	86.9	89.9	92.2	92.7	93.3	93.8	93.9	94.3	94.4	94.4	94.9	94.9	94.9	95.1
GE 300	71.6	81.0	87.1	90.1	92.7	93.2	94.1	94.7	94.8	95.2	95.3	95.4	96.0	96.0	96.1	96.4
GE 200	71.6	81.1	87.2	90.3	93.1	93.7	94.7	95.3	95.4	96.3	96.6	96.8	97.6	97.6	97.8	98.1
GE 100	71.6	81.1	87.2	90.3	93.1	93.7	94.7	95.3	95.4	96.4	96.8	97.0	98.1	98.1	98.6	99.1
GE 000	71.6	81.1	87.2	90.3	93.1	93.7	94.7	95.3	95.4	96.4	96.8	97.0	98.1	98.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.4	60.1	61.2	62.3	62.4	62.4	62.8	62.9	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.1
GE 20000	60.3	65.2	66.8	67.9	68.0	68.0	68.3	68.4	68.4	68.6	68.6	68.6	68.7	68.7	68.7	68.7
GE 18000	60.3	65.2	66.8	67.9	68.0	68.0	68.3	68.4	68.4	68.6	68.6	68.6	68.7	68.7	68.7	68.7
GE 16000	60.3	65.2	66.8	67.9	68.0	68.0	68.3	68.4	68.4	68.6	68.6	68.6	68.7	68.7	68.7	68.7
GE 14000	61.2	66.1	67.7	68.8	68.9	68.9	69.2	69.3	69.3	69.4	69.4	69.4	69.6	69.6	69.6	69.6
GE 12000	62.4	67.3	69.0	70.2	70.3	70.3	70.7	70.8	70.8	70.9	70.9	70.9	71.0	71.0	71.0	71.0
GE 10000	65.0	70.3	72.2	73.7	73.8	73.9	74.3	74.4	74.4	74.6	74.6	74.6	74.7	74.7	74.7	74.7
GE 9000	65.4	71.1	73.0	74.4	74.6	74.7	75.1	75.2	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.4
GE 8000	68.1	74.1	76.1	77.8	78.1	78.2	78.7	78.8	78.8	78.9	78.9	78.9	79.0	79.0	79.0	79.0
GE 7000	68.7	74.8	76.8	78.4	78.8	78.9	79.3	79.4	79.4	79.6	79.6	79.6	79.7	79.7	79.7	79.7
GE 6000	69.2	75.3	77.3	79.0	79.3	79.4	79.9	80.0	80.0	80.1	80.1	80.1	80.2	80.2	80.2	80.2
GE 5000	70.7	77.2	79.2	81.0	81.3	81.4	81.9	82.0	82.0	82.1	82.1	82.1	82.2	82.2	82.2	82.2
GE 4500	71.1	77.7	79.8	81.7	82.0	82.1	82.6	82.7	82.7	82.8	82.8	82.8	82.9	82.9	82.9	82.9
GE 4000	73.1	80.4	82.8	84.7	85.1	85.2	85.7	85.9	85.9	86.0	86.0	86.0	86.1	86.1	86.1	86.1
GE 3500	73.8	81.1	83.4	85.3	85.8	85.9	86.3	86.6	86.6	86.7	86.7	86.7	86.8	86.8	86.8	86.8
GE 3000	74.8	82.2	84.7	86.9	87.4	87.6	88.0	88.2	88.2	88.3	88.3	88.3	88.4	88.4	88.4	88.4
GE 2500	75.6	83.1	85.6	87.8	88.3	88.4	88.9	89.1	89.1	89.2	89.2	89.2	89.3	89.3	89.3	89.3
GE 2000	76.7	84.7	87.1	89.3	90.0	90.1	90.6	90.8	90.8	90.9	90.9	90.9	91.0	91.0	91.0	91.0
GE 1800	76.9	84.9	87.3	89.7	90.3	90.4	90.9	91.1	91.1	91.2	91.2	91.2	91.3	91.3	91.3	91.3
GE 1500	77.9	86.3	88.8	91.2	91.9	92.0	92.6	92.8	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.0
GE 1200	78.4	87.1	89.6	92.1	92.8	92.9	93.4	93.7	93.7	93.8	93.8	93.8	93.9	93.9	93.9	93.9
GE 1000	79.2	88.0	90.6	93.1	93.9	94.0	94.7	94.9	94.9	95.0	95.0	95.0	95.1	95.1	95.1	95.1
GE 900	79.4	88.4	91.0	93.6	94.3	94.4	95.1	95.3	95.3	95.4	95.4	95.4	95.6	95.6	95.6	95.6
GE 800	79.6	88.7	91.2	94.0	94.9	95.0	95.8	96.0	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.2
GE 700	80.0	89.1	91.7	94.4	95.4	95.6	96.3	96.6	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8
GE 600	80.1	89.2	91.8	94.7	95.7	95.9	96.7	96.9	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1
GE 500	80.1	89.3	92.1	95.0	96.1	96.3	97.1	97.4	97.4	97.6	97.6	97.6	97.7	97.7	97.7	97.7
GE 400	80.2	89.6	92.6	95.4	96.7	96.9	97.7	98.0	98.0	98.1	98.1	98.1	98.3	98.3	98.3	98.3
GE 300	80.2	89.6	92.7	95.6	96.9	97.1	97.9	98.4	98.4	98.7	98.7	98.7	98.9	99.0	99.0	99.1
GE 200	80.2	89.6	92.7	95.6	96.9	97.1	98.0	98.7	98.7	98.9	98.9	98.9	99.0	99.3	99.4	99.8
GE 100	80.2	89.6	92.7	95.6	96.9	97.1	98.0	98.7	98.7	98.9	98.9	99.0	99.3	99.4	99.8	99.9
GE 000	80.2	89.6	92.7	95.6	96.9	97.1	98.0	98.7	98.7	98.9	98.9	99.0	99.3	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	64.3	66.2	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 20000	71.4	73.7	74.0	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 18000	71.4	73.7	74.0	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 16000	71.4	73.7	74.0	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 14000	72.3	74.7	75.0	75.0	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 12000	73.8	76.1	76.4	76.4	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 10000	76.8	80.0	80.3	80.3	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 9000	77.3	80.9	81.2	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 8000	79.3	83.3	83.7	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 7000	80.0	84.0	84.3	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 6000	80.1	84.1	84.4	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 5000	81.7	85.8	86.1	86.3	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 4500	82.6	86.7	87.0	87.2	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 4000	85.0	89.1	89.6	90.2	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 3500	85.7	89.9	90.3	91.1	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 3000	87.2	91.4	91.9	92.8	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 2500	88.3	92.6	93.0	93.9	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 2000	89.4	93.8	94.2	95.1	95.6	95.6	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1800	90.0	94.3	94.8	95.7	96.1	96.1	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 1500	90.4	95.0	95.6	96.4	96.9	97.0	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1200	90.7	95.6	96.1	97.0	97.4	97.6	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	91.1	96.0	96.6	97.4	97.9	98.0	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	91.1	96.1	96.7	97.6	98.1	98.2	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	91.3	96.6	97.1	98.0	98.6	98.7	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	91.4	96.7	97.2	98.1	98.7	98.8	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	91.4	96.7	97.2	98.1	98.7	98.8	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	91.4	96.7	97.2	98.1	98.7	98.8	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	91.6	96.8	97.3	98.2	98.8	98.9	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	91.6	96.8	97.3	98.2	98.8	98.9	99.4	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	91.6	96.8	97.3	98.2	98.8	98.9	99.4	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	91.6	96.8	97.3	98.2	98.8	98.9	99.4	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	91.6	96.8	97.3	98.2	98.8	98.9	99.4	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	64.7	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 20000	73.4	74.1	74.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 18000	73.7	74.3	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 16000	73.9	74.6	75.0	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 14000	74.6	75.3	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 12000	75.7	76.4	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 10000	77.9	79.2	79.7	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 9000	79.2	80.8	81.2	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 8000	82.2	84.0	84.4	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 7000	83.9	85.7	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 6000	84.1	85.9	86.4	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 5000	85.9	87.7	88.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 4500	86.6	88.3	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 4000	89.2	91.3	92.0	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 3500	90.0	92.2	92.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 3000	91.4	93.8	94.4	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 2500	92.1	94.4	95.2	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 2000	92.7	95.3	96.3	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1800	92.8	95.6	96.6	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1500	92.8	95.7	96.7	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	93.0	96.0	97.0	98.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	93.1	96.1	97.2	98.3	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	93.1	96.4	97.6	98.7	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	93.1	96.4	97.6	98.8	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6
GE 700	93.1	96.4	97.6	98.8	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6
GE 600	93.1	96.4	97.7	98.9	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
GE 500	93.2	96.6	97.8	99.0	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
GE 400	93.2	96.6	97.9	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	93.2	96.6	97.9	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	93.2	96.6	97.9	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	93.2	96.6	97.9	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	93.2	96.6	97.9	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	63.1	63.2	63.3	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 20000	70.7	71.1	71.2	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 18000	70.9	71.3	71.4	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 16000	71.1	71.6	71.7	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 14000	71.4	72.0	72.1	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 12000	73.4	74.0	74.1	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 10000	75.8	76.4	76.3	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 9000	77.7	78.3	78.7	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 8000	80.3	81.1	81.4	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 7000	81.4	82.2	82.7	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 6000	81.4	82.2	82.7	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 5000	82.8	83.7	84.3	84.7	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 4500	83.6	84.4	85.1	85.4	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 4000	88.1	89.1	89.8	90.2	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 3500	88.9	90.0	90.8	91.2	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 3000	91.1	92.2	93.0	93.6	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 2500	91.8	93.0	93.8	94.3	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 2000	92.9	94.2	95.0	95.7	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1800	93.1	94.4	95.2	96.0	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1500	93.2	94.6	95.3	96.2	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1200	93.9	95.3	96.1	97.0	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	94.3	95.9	96.7	97.6	98.4	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
GE 900	94.3	95.9	96.7	97.6	98.4	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
GE 800	94.3	95.9	96.7	97.6	98.4	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
GE 700	94.6	96.1	97.0	97.9	98.8	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2
GE 600	94.6	96.1	97.1	98.1	99.0	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4
GE 500	94.6	96.3	97.3	98.4	99.3	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 400	94.6	96.3	97.3	98.4	99.3	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 300	94.6	96.3	97.3	98.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	94.6	96.3	97.3	98.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	94.6	96.3	97.3	98.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	94.6	96.3	97.3	98.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	68.0	68.3	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 20000	74.0	74.3	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 18000	74.0	74.3	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 16000	74.2	74.6	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 14000	75.0	75.3	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 12000	77.1	77.4	77.7	77.8	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 10000	79.1	79.6	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 9000	80.0	80.4	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 8000	82.1	82.9	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 7000	82.9	83.7	84.0	84.1	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 6000	82.9	83.7	84.0	84.1	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 5000	84.7	85.4	85.9	86.0	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 4500	85.2	86.0	86.4	86.6	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 4000	88.4	89.7	90.2	90.3	90.6	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 3500	89.7	90.9	91.6	91.7	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 3000	91.2	92.6	93.2	93.3	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 2500	92.6	93.9	94.6	94.7	95.0	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 2000	93.2	94.6	95.2	95.3	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1800	93.4	94.8	95.4	95.6	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1500	93.7	95.0	95.7	95.8	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1200	94.9	96.2	97.0	97.1	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1000	95.8	97.3	98.1	98.2	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	95.9	97.4	98.2	98.3	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	95.9	97.4	98.2	98.3	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	96.2	97.8	98.6	98.7	99.3	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	96.2	97.8	98.6	98.7	99.3	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	96.3	97.9	98.7	98.8	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	96.3	97.9	98.7	98.8	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	96.3	97.9	98.7	98.8	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	96.3	97.9	98.7	98.8	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	96.3	97.9	98.7	98.8	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 000	96.3	97.9	98.7	98.8	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.1	63.3	64.1	64.7	65.0	65.1	65.2	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.5
GE 20000	66.9	69.2	70.1	70.8	71.1	71.2	71.3	71.4	71.4	71.5	71.5	71.5	71.6	71.6	71.6	71.7
GE 18000	66.9	69.2	70.2	70.8	71.2	71.2	71.4	71.5	71.5	71.6	71.6	71.6	71.7	71.7	71.7	71.7
GE 16000	67.0	69.3	70.3	70.9	71.3	71.3	71.5	71.6	71.6	71.7	71.7	71.7	71.8	71.8	71.8	71.8
GE 14000	67.8	70.1	71.0	71.7	72.1	72.1	72.3	72.3	72.3	72.4	72.5	72.5	72.6	72.6	72.6	72.6
GE 12000	69.3	71.6	72.6	73.3	73.6	73.7	73.8	73.9	73.9	74.0	74.0	74.0	74.1	74.1	74.1	74.2
GE 10000	71.6	74.2	75.3	76.0	76.4	76.5	76.7	76.7	76.8	76.8	76.9	76.9	77.0	77.0	77.0	77.0
GE 9000	72.4	75.2	76.3	77.0	77.4	77.5	77.7	77.7	77.8	77.8	77.9	77.9	78.0	78.0	78.0	78.0
GE 8000	74.8	77.8	78.9	79.7	80.2	80.3	80.5	80.5	80.6	80.7	80.7	80.7	80.8	80.8	80.8	80.8
GE 7000	75.6	78.7	79.8	80.6	81.1	81.2	81.3	81.4	81.4	81.5	81.6	81.6	81.7	81.7	81.7	81.7
GE 6000	75.8	78.8	80.0	80.8	81.3	81.3	81.5	81.6	81.6	81.7	81.8	81.8	81.8	81.8	81.9	81.9
GE 5000	77.4	80.5	81.7	82.6	83.1	83.2	83.3	83.4	83.4	83.5	83.6	83.6	83.7	83.7	83.7	83.7
GE 4500	78.0	81.2	82.4	83.3	83.8	83.9	84.1	84.1	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4
GE 4000	80.8	84.3	85.7	86.7	87.3	87.3	87.5	87.6	87.7	87.8	87.8	87.8	87.9	87.9	87.9	87.9
GE 3500	82.0	85.6	87.1	88.1	88.7	88.8	89.0	89.1	89.1	89.2	89.2	89.2	89.3	89.3	89.3	89.3
GE 3000	83.3	87.0	88.5	89.6	90.3	90.3	90.5	90.6	90.7	90.8	90.8	90.8	90.9	90.9	90.9	90.9
GE 2500	84.1	87.9	89.4	90.5	91.2	91.2	91.4	91.5	91.6	91.7	91.7	91.7	91.8	91.8	91.8	91.8
GE 2000	85.2	89.2	90.8	91.9	92.6	92.7	92.9	93.0	93.0	93.2	93.2	93.2	93.3	93.3	93.3	93.3
GE 1800	85.5	89.6	91.2	92.3	93.1	93.1	93.3	93.4	93.5	93.6	93.6	93.6	93.7	93.7	93.7	93.8
GE 1500	86.1	90.3	92.0	93.2	93.9	94.0	94.3	94.4	94.4	94.5	94.5	94.5	94.6	94.6	94.7	94.7
GE 1200	86.7	91.1	92.8	94.0	94.8	94.9	95.2	95.3	95.3	95.4	95.5	95.5	95.6	95.6	95.6	95.6
GE 1000	87.2	91.6	93.4	94.7	95.5	95.6	95.9	96.0	96.0	96.2	96.2	96.2	96.3	96.3	96.3	96.4
GE 900	87.3	91.8	93.7	94.9	95.8	95.9	96.3	96.4	96.4	96.5	96.6	96.6	96.7	96.7	96.7	96.7
GE 800	87.6	92.2	94.0	95.4	96.3	96.4	96.7	96.9	96.9	97.0	97.1	97.1	97.2	97.2	97.2	97.2
GE 700	87.9	92.5	94.4	95.8	96.7	96.8	97.2	97.3	97.4	97.5	97.5	97.5	97.6	97.7	97.7	97.7
GE 600	88.0	92.6	94.6	96.0	96.9	97.1	97.4	97.6	97.6	97.7	97.8	97.8	97.9	97.9	97.9	97.9
GE 500	88.0	92.7	94.7	96.2	97.2	97.3	97.7	97.9	97.9	98.0	98.1	98.1	98.2	98.2	98.2	98.3
GE 400	88.0	92.8	94.9	96.3	97.4	97.5	98.0	98.1	98.1	98.3	98.3	98.3	98.5	98.5	98.5	98.5
GE 300	88.1	92.9	95.0	96.5	97.6	97.8	98.2	98.4	98.5	98.6	98.7	98.7	98.8	98.9	98.9	99.0
GE 200	88.1	92.9	95.0	96.5	97.7	97.8	98.4	98.6	98.6	98.9	98.9	99.0	99.2	99.2	99.3	99.4
GE 100	88.1	92.9	95.0	96.5	97.7	97.8	98.4	98.6	98.7	98.9	99.0	99.1	99.3	99.4	99.5	99.7
GE 000	88.1	92.9	95.0	96.5	97.7	97.8	98.4	98.6	98.7	98.9	99.0	99.1	99.3	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: DEC HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.5	59.5	60.3	60.6	61.1	61.2	61.3	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.6	61.9
GE 20000	62.9	65.3	66.1	66.6	67.0	67.1	67.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.5	67.8
GE 18000	63.1	65.5	66.3	66.8	67.2	67.3	67.4	67.4	67.4	67.6	67.6	67.6	67.6	67.6	67.7	68.1
GE 16000	63.1	65.5	66.3	66.8	67.2	67.3	67.4	67.4	67.4	67.6	67.6	67.6	67.6	67.6	67.7	68.1
GE 14000	63.2	65.6	66.5	66.9	67.3	67.4	67.5	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.8	68.2
GE 12000	64.7	67.1	68.0	68.4	68.8	68.9	69.0	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.4	69.7
GE 10000	66.9	69.4	70.3	70.8	71.2	71.3	71.5	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.8	72.2
GE 9000	67.5	70.0	71.0	71.4	71.8	71.9	72.2	72.2	72.2	72.4	72.4	72.4	72.4	72.4	72.5	72.8
GE 8000	69.1	71.6	72.6	73.0	73.4	73.5	73.8	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.1	74.4
GE 7000	69.9	72.4	73.3	73.8	74.2	74.3	74.5	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.8	75.2
GE 6000	70.1	72.6	73.5	74.0	74.4	74.5	74.7	74.7	74.7	74.9	74.9	74.9	74.9	74.9	75.2	75.5
GE 5000	72.9	75.4	76.5	76.9	77.3	77.4	77.6	77.6	77.6	77.8	77.8	77.8	77.8	77.8	78.1	78.4
GE 4500	74.0	76.5	77.5	78.0	78.4	78.5	78.7	78.7	78.7	78.9	78.9	78.9	78.9	78.9	79.1	79.5
GE 4000	78.4	81.0	82.2	82.6	83.0	83.1	83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.8	84.1
GE 3500	79.8	82.4	83.7	84.1	84.5	84.6	84.8	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.3	85.6
GE 3000	81.7	84.3	85.6	86.1	86.6	86.7	86.9	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.3	87.6
GE 2500	83.0	85.6	86.9	87.4	87.8	88.0	88.2	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.6	88.9
GE 2000	83.7	86.3	88.0	88.5	88.9	89.0	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.7	90.0
GE 1800	83.7	86.5	88.1	88.6	89.0	89.1	89.4	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.8	90.1
GE 1500	83.9	86.7	88.4	88.9	89.5	89.6	89.8	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.2	90.5
GE 1200	84.5	87.4	89.2	89.8	90.3	90.4	90.6	90.6	90.6	90.9	90.9	90.9	90.9	90.9	91.1	91.4
GE 1000	85.4	88.4	90.2	90.8	91.3	91.5	91.7	91.7	91.7	91.9	91.9	91.9	91.9	91.9	92.2	92.5
GE 900	85.7	88.7	90.5	91.1	91.6	91.8	92.0	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.5	92.8
GE 800	85.8	89.0	91.0	92.2	93.0	93.2	93.4	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.9	94.2
GE 700	86.5	89.8	92.0	93.3	94.4	94.6	94.8	94.8	94.8	95.1	95.1	95.1	95.1	95.1	95.3	95.6
GE 600	86.6	89.9	92.3	93.7	94.8	95.1	95.3	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.7	96.0
GE 500	86.6	89.9	92.3	93.7	94.9	95.2	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.8	96.1
GE 400	86.7	90.0	92.6	94.0	95.8	96.0	96.3	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.8	97.1
GE 300	86.7	90.0	92.6	94.0	95.8	96.0	96.5	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.9	97.2
GE 200	86.7	90.0	92.6	94.0	95.8	96.0	96.5	96.5	96.5	97.0	97.4	97.4	98.2	98.2	98.6	99.4
GE 100	86.7	90.0	92.6	94.0	95.8	96.0	96.5	96.5	96.5	97.0	97.4	97.4	98.4	98.4	98.8	99.9
GE 000	86.7	90.0	92.6	94.0	95.8	96.0	96.5	96.5	96.5	97.0	97.4	97.4	98.4	98.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: DEC HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.1	57.6	58.8	59.4	60.0	60.1	60.1	60.4	60.4	60.5	60.5	60.5	60.8	60.8	60.8	60.8
GE 20000	60.1	63.0	64.2	64.7	65.4	65.5	65.5	65.8	65.8	65.9	65.9	65.9	66.1	66.1	66.1	66.1
GE 18000	60.3	63.2	64.4	64.9	65.6	65.7	65.7	66.0	66.0	66.1	66.1	66.1	66.3	66.3	66.3	66.3
GE 16000	60.3	63.2	64.4	64.9	65.6	65.7	65.7	66.0	66.0	66.1	66.1	66.1	66.3	66.3	66.3	66.3
GE 14000	60.6	63.5	64.7	65.3	65.9	66.0	66.0	66.3	66.3	66.5	66.5	66.5	66.7	66.7	66.7	66.7
GE 12000	62.0	65.1	66.2	66.8	67.4	67.5	67.5	67.8	67.8	68.0	68.0	68.0	68.2	68.2	68.2	68.2
GE 10000	63.4	66.5	67.6	68.2	68.8	68.9	68.9	69.2	69.2	69.4	69.4	69.4	69.6	69.6	69.6	69.6
GE 9000	63.8	66.8	68.0	68.5	69.1	69.2	69.2	69.6	69.6	69.7	69.7	69.7	69.9	69.9	69.9	69.9
GE 8000	64.7	67.7	68.9	69.6	70.2	70.3	70.3	70.6	70.6	70.8	70.8	70.8	71.0	71.0	71.0	71.0
GE 7000	65.7	68.7	69.9	70.5	71.2	71.3	71.3	71.6	71.6	71.7	71.7	71.7	71.9	71.9	71.9	71.9
GE 6000	66.1	69.1	70.4	71.1	71.7	71.8	71.8	72.2	72.2	72.3	72.3	72.3	72.5	72.5	72.5	72.5
GE 5000	67.3	70.3	71.7	72.5	73.1	73.2	73.2	73.5	73.5	73.7	73.7	73.7	73.9	73.9	73.9	73.9
GE 4500	68.5	71.5	72.9	73.7	74.3	74.4	74.4	74.7	74.7	74.8	74.8	74.8	75.1	75.1	75.1	75.1
GE 4000	71.2	74.3	75.7	76.5	77.4	77.5	77.5	77.8	77.8	78.0	78.0	78.0	78.2	78.2	78.2	78.2
GE 3500	72.6	75.7	77.3	78.5	79.5	79.6	79.6	79.9	79.9	80.0	80.0	80.0	80.2	80.2	80.2	80.2
GE 3000	74.3	77.7	79.5	80.9	81.8	81.9	81.9	82.3	82.3	82.4	82.4	82.4	82.6	82.6	82.6	82.6
GE 2500	75.6	79.1	80.9	82.3	83.2	83.3	83.4	83.9	83.9	84.0	84.0	84.0	84.2	84.2	84.2	84.2
GE 2000	76.6	80.2	82.3	83.7	84.6	84.7	84.8	85.3	85.3	85.4	85.4	85.4	85.6	85.6	85.6	85.6
GE 1800	76.6	80.2	82.3	83.7	84.6	84.7	84.8	85.3	85.3	85.4	85.4	85.4	85.6	85.6	85.6	85.6
GE 1500	76.8	80.8	82.8	84.2	85.2	85.3	85.4	85.9	85.9	86.0	86.0	86.0	86.2	86.2	86.2	86.2
GE 1200	77.5	81.5	83.8	85.3	86.3	86.5	86.6	87.1	87.1	87.2	87.2	87.2	87.4	87.4	87.4	87.4
GE 1000	78.2	82.2	84.4	85.9	87.1	87.2	87.3	87.8	87.8	88.0	88.0	88.0	88.2	88.2	88.2	88.2
GE 900	78.8	82.8	85.1	86.6	87.7	87.8	88.0	88.5	88.5	88.6	88.6	88.6	88.8	88.8	88.8	88.8
GE 800	79.9	84.0	86.3	87.8	89.4	89.5	89.6	90.1	90.1	90.2	90.2	90.2	90.4	90.4	90.4	90.4
GE 700	81.1	85.3	87.8	89.4	91.2	91.3	91.4	91.9	91.9	92.0	92.0	92.0	92.3	92.3	92.3	92.3
GE 600	81.5	85.8	89.0	90.6	92.6	92.7	92.8	93.3	93.3	93.4	93.4	93.4	93.7	93.7	93.7	93.7
GE 500	81.7	86.0	89.5	91.2	93.2	93.4	93.5	94.1	94.1	94.2	94.2	94.2	94.4	94.4	94.5	94.5
GE 400	81.9	86.3	89.8	91.5	93.5	93.8	94.3	94.8	94.8	94.9	94.9	94.9	95.2	95.2	95.3	95.4
GE 300	81.9	86.3	89.8	91.6	93.7	93.9	94.4	94.9	94.9	95.2	95.2	95.2	95.4	95.4	95.5	95.9
GE 200	81.9	86.3	89.8	91.6	93.7	93.9	94.4	94.9	94.9	95.6	95.7	95.7	96.5	96.6	96.9	97.8
GE 100	81.9	86.3	89.8	91.7	93.8	94.0	94.6	95.4	95.4	96.3	96.5	96.5	97.3	97.4	98.1	99.4
GE 000	81.9	86.3	89.8	91.7	93.8	94.0	94.6	95.4	95.4	96.3	96.5	96.5	97.3	97.4	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.1	48.0	50.6	52.7	55.2	55.6	56.6	56.6	56.7	56.9	57.0	57.0	57.0	57.0	57.0	57.1
GE 20000	50.0	53.2	56.0	58.1	60.5	61.0	61.9	61.9	62.0	62.3	62.4	62.4	62.4	62.4	62.4	62.5
GE 18000	50.0	53.2	56.0	58.1	60.5	61.0	61.9	61.9	62.0	62.3	62.4	62.4	62.4	62.4	62.4	62.5
GE 16000	50.0	53.2	56.0	58.1	60.5	61.0	61.9	61.9	62.0	62.3	62.4	62.4	62.4	62.4	62.4	62.5
GE 14000	51.1	54.3	57.1	59.1	61.6	62.0	63.0	63.0	63.1	63.3	63.4	63.4	63.4	63.4	63.4	63.5
GE 12000	52.0	55.4	58.2	60.2	62.8	63.2	64.2	64.2	64.3	64.5	64.6	64.6	64.6	64.6	64.6	64.7
GE 10000	54.1	57.6	60.6	62.8	65.4	65.8	66.8	66.8	66.9	67.1	67.2	67.2	67.2	67.2	67.2	67.3
GE 9000	54.4	58.0	61.1	63.2	65.8	66.2	67.3	67.3	67.4	67.6	67.7	67.7	67.7	67.7	67.7	67.8
GE 8000	55.1	58.9	62.3	64.4	67.0	67.4	68.5	68.5	68.6	68.8	68.9	68.9	68.9	68.9	68.9	69.0
GE 7000	55.7	59.6	62.9	65.1	67.6	68.1	69.1	69.1	69.2	69.5	69.6	69.6	69.6	69.6	69.6	69.7
GE 6000	56.3	60.4	63.8	66.0	68.6	69.0	70.1	70.1	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.6
GE 5000	57.5	62.0	65.4	67.6	70.2	70.6	71.7	71.7	71.8	72.0	72.2	72.2	72.2	72.2	72.2	72.3
GE 4500	58.9	63.5	66.9	69.1	71.7	72.2	73.2	73.2	73.3	73.5	73.7	73.7	73.7	73.7	73.7	73.8
GE 4000	62.3	67.1	70.8	73.5	76.2	76.8	78.0	78.0	78.1	78.3	78.4	78.4	78.4	78.4	78.4	78.5
GE 3500	63.2	68.1	71.9	75.1	78.0	78.5	79.8	79.8	79.9	80.1	80.2	80.2	80.2	80.2	80.2	80.3
GE 3000	64.6	69.6	73.4	76.9	79.8	80.4	81.7	81.7	81.8	82.2	82.3	82.3	82.3	82.3	82.3	82.4
GE 2500	66.5	71.4	75.4	78.8	81.7	82.4	83.7	83.7	83.8	84.1	84.2	84.2	84.2	84.2	84.2	84.3
GE 2000	67.0	72.0	76.1	79.6	82.6	83.2	84.5	84.5	84.6	84.9	85.1	85.1	85.1	85.1	85.1	85.2
GE 1800	67.1	72.2	76.2	79.7	82.7	83.3	84.6	84.6	84.7	85.1	85.2	85.2	85.2	85.2	85.2	85.3
GE 1500	67.6	72.8	76.9	80.3	83.4	84.1	85.4	85.4	85.5	85.8	85.9	85.9	85.9	85.9	85.9	86.0
GE 1200	68.2	73.4	77.7	81.2	84.3	84.9	86.5	86.5	86.6	86.9	87.0	87.0	87.0	87.0	87.0	87.1
GE 1000	68.3	73.9	78.2	81.6	84.7	85.4	86.9	86.9	87.0	87.3	87.4	87.4	87.4	87.4	87.4	87.5
GE 900	69.4	74.9	79.6	83.1	86.3	87.0	88.5	88.5	88.6	88.9	89.0	89.0	89.0	89.0	89.0	89.1
GE 800	69.8	75.5	80.1	83.8	87.1	87.7	89.4	89.4	89.5	89.8	89.9	89.9	89.9	89.9	89.9	90.0
GE 700	70.1	76.1	81.4	85.1	88.6	89.2	90.9	90.9	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.5
GE 600	70.4	76.7	82.3	86.0	89.6	90.2	91.9	91.9	92.0	92.4	92.5	92.5	92.5	92.5	92.5	92.6
GE 500	70.5	77.0	82.9	87.0	90.6	91.3	93.1	93.1	93.2	93.5	93.7	93.7	93.7	93.7	93.7	93.8
GE 400	70.6	77.1	83.2	87.3	91.3	91.9	94.4	94.4	94.5	94.8	94.9	94.9	94.9	94.9	94.9	95.0
GE 300	70.6	77.1	83.2	87.3	91.4	92.0	94.8	94.8	94.9	95.1	95.6	95.7	95.7	95.7	95.7	95.9
GE 200	70.6	77.1	83.2	87.3	91.4	92.0	94.8	94.8	94.9	95.1	95.6	95.9	95.9	96.2	96.3	96.8
GE 100	70.6	77.1	83.2	87.3	91.4	92.0	94.8	95.1	95.2	95.8	96.2	96.2	96.9	97.0	97.6	99.1
GE 000	70.6	77.1	83.2	87.3	91.4	92.0	94.8	95.1	95.2	95.8	96.2	96.2	96.9	97.0	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.5	52.6	54.7	56.0	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 20000	56.9	60.8	63.8	65.2	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8
GE 18000	57.2	61.1	64.1	65.5	66.8	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1
GE 16000	57.2	61.1	64.1	65.5	66.8	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1
GE 14000	57.8	61.7	64.7	66.1	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8
GE 12000	58.5	62.5	65.5	66.9	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7
GE 10000	60.5	64.8	68.0	69.5	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5
GE 9000	61.2	65.5	68.6	70.1	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.2	72.2	72.2	72.2
GE 8000	62.3	66.6	69.8	71.3	73.0	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.3
GE 7000	62.6	67.0	70.2	71.7	73.5	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9
GE 6000	63.3	67.7	71.0	72.5	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6
GE 5000	65.6	70.1	73.5	75.1	76.9	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2
GE 4500	67.2	72.0	75.5	77.1	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.4	79.4	79.4	79.4
GE 4000	70.1	75.6	79.0	80.9	82.8	82.8	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3
GE 3500	70.8	76.3	80.4	82.3	84.2	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE 3000	72.3	78.0	82.2	84.1	86.0	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6
GE 2500	72.7	78.5	82.7	84.6	86.6	86.7	87.0	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2
GE 2000	73.5	79.7	84.1	86.1	88.1	88.2	88.5	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7
GE 1800	73.5	79.7	84.1	86.1	88.1	88.2	88.5	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7
GE 1500	74.1	80.2	84.8	87.1	89.0	89.1	89.5	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7
GE 1200	74.7	80.9	85.5	87.7	89.8	89.9	90.2	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4
GE 1000	74.9	81.8	86.7	88.9	91.3	91.4	91.7	91.8	91.8	91.8	91.9	91.9	92.0	92.0	92.0	92.0
GE 900	75.4	82.8	87.6	90.0	92.5	92.6	92.9	93.0	93.0	93.0	93.1	93.1	93.2	93.2	93.2	93.2
GE 800	75.4	82.9	87.8	90.3	92.9	93.0	93.3	93.4	93.4	93.4	93.5	93.5	93.7	93.7	93.7	93.7
GE 700	75.4	83.2	88.6	91.1	94.0	94.1	94.5	94.6	94.6	94.8	94.9	94.9	95.1	95.1	95.1	95.1
GE 600	75.4	83.2	88.7	91.3	94.6	94.8	95.3	95.4	95.4	95.6	95.7	95.7	95.8	95.8	95.8	95.8
GE 500	75.4	83.2	88.8	91.5	94.8	95.2	95.6	95.8	95.8	96.2	96.3	96.3	96.6	96.6	96.6	96.6
GE 400	75.4	83.2	88.8	91.5	95.2	95.5	96.2	96.8	96.8	97.2	97.3	97.4	97.6	97.6	97.6	97.7
GE 300	75.4	83.2	88.9	91.7	95.5	95.8	97.0	97.5	97.5	98.1	98.4	98.5	98.7	98.7	98.8	98.9
GE 200	75.4	83.2	88.9	91.7	95.6	95.9	97.1	97.7	97.7	98.3	98.6	98.7	99.0	99.2	99.4	99.6
GE 100	75.4	83.2	88.9	91.7	95.6	95.9	97.1	97.8	97.8	98.4	98.7	98.8	99.1	99.4	99.7	99.9
GE 000	75.4	83.2	88.9	91.7	95.6	95.9	97.1	97.8	97.8	98.4	98.7	98.8	99.1	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.8	58.9	59.6	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 20000	67.4	69.8	70.4	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 18000	68.3	70.6	71.3	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 16000	68.4	70.8	71.4	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 14000	68.8	71.2	71.8	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 12000	70.4	72.9	73.5	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 10000	72.5	74.9	75.6	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 9000	73.1	75.6	76.2	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 8000	74.9	77.5	78.2	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 7000	75.2	77.7	78.4	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 6000	75.9	78.6	79.4	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 5000	77.5	80.4	81.3	81.6	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 4500	79.7	82.7	83.5	83.9	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 4000	83.0	86.9	87.7	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 3500	83.7	87.6	88.5	88.8	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 3000	85.2	89.1	90.1	90.4	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 2500	85.4	89.5	90.5	90.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 2000	86.7	91.1	92.3	92.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1800	86.7	91.1	92.3	92.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1500	87.7	92.5	94.0	94.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1200	88.1	92.9	94.4	95.1	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1000	88.3	93.1	94.9	95.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 900	88.3	93.1	94.9	95.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 800	88.4	93.2	95.3	96.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 700	88.5	93.8	95.9	97.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	88.6	93.9	96.0	97.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	88.6	94.0	96.1	97.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	88.7	94.1	96.2	97.3	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	88.7	94.1	96.2	97.3	99.0	99.0	99.4	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	88.7	94.1	96.2	97.3	99.0	99.0	99.4	99.5	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	88.7	94.1	96.2	97.3	99.0	99.0	99.4	99.5	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	88.7	94.1	96.2	97.3	99.0	99.0	99.4	99.5	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.7	59.0	59.2	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 20000	68.4	69.7	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 18000	69.1	70.4	70.6	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 16000	69.4	70.6	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 14000	69.9	71.2	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 12000	71.5	72.8	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 10000	74.8	76.3	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 9000	75.3	76.8	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 8000	78.0	79.6	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 7000	79.6	81.2	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 6000	80.2	81.8	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 5000	82.2	83.8	84.0	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 4500	83.2	84.8	85.1	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 4000	84.8	86.8	87.4	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 3500	85.4	87.3	88.0	88.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 3000	86.8	88.8	89.5	90.1	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 2500	87.7	89.9	90.5	91.2	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 2000	88.8	91.1	91.9	92.6	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1800	89.1	91.4	92.4	93.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1500	90.4	92.7	93.7	94.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1200	90.8	93.0	94.0	94.6	95.7	95.7	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1000	91.3	93.5	94.6	95.6	96.7	96.7	97.0	97.0	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2
GE 900	91.4	93.9	94.9	95.9	97.0	97.0	97.4	97.4	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.6
GE 800	91.4	94.0	95.1	96.0	97.1	97.2	97.7	97.8	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1
GE 700	91.4	94.1	95.2	96.1	97.2	97.3	97.8	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2
GE 600	91.4	94.2	95.3	96.2	97.3	97.4	98.0	98.1	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4
GE 500	91.4	94.3	95.5	96.5	97.6	97.8	98.5	98.6	98.6	98.7	98.9	98.9	99.0	99.0	99.0	99.0
GE 400	91.4	94.3	95.6	96.6	97.8	98.1	99.1	99.2	99.2	99.4	99.6	99.6	99.7	99.7	99.7	99.7
GE 300	91.4	94.3	95.6	96.6	97.8	98.1	99.1	99.2	99.2	99.4	99.6	99.6	99.7	99.7	99.7	99.7
GE 200	91.4	94.3	95.6	96.6	97.8	98.1	99.1	99.2	99.2	99.4	99.6	99.6	99.7	99.7	99.9	99.9
GE 100	91.4	94.3	95.6	96.6	97.8	98.1	99.1	99.2	99.2	99.4	99.6	99.6	99.7	99.7	99.9	100.0
GE 000	91.4	94.3	95.6	96.6	97.8	98.1	99.1	99.2	99.2	99.4	99.6	99.6	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.8	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 20000	68.0	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 18000	68.0	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 16000	68.0	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 14000	68.5	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 12000	69.4	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 10000	73.3	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 9000	74.3	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 8000	76.7	77.8	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 7000	78.3	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 6000	79.2	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 5000	80.6	81.8	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 4500	82.3	83.4	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 4000	85.2	86.9	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 3500	88.6	90.3	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 3000	89.0	90.9	91.3	91.3	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 2500	89.4	91.2	91.7	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 2000	89.9	91.9	92.8	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1800	90.0	92.0	92.9	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1500	91.6	93.8	94.7	94.7	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1200	91.9	94.1	95.2	95.2	95.6	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1000	92.4	94.6	96.0	96.0	96.8	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 900	92.4	94.6	96.0	96.0	96.8	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 800	92.4	94.6	96.0	96.1	97.0	97.3	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 700	92.5	94.7	96.1	96.2	97.2	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 600	92.5	94.7	96.2	96.5	97.5	97.8	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 500	92.6	94.8	96.5	96.8	98.0	98.3	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	92.6	94.8	96.5	96.9	98.1	98.4	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	92.6	94.8	96.5	96.9	98.2	98.5	99.2	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	92.6	94.8	96.5	96.9	98.2	98.5	99.2	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	92.6	94.8	96.5	96.9	98.2	98.5	99.2	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.8
GE 000	92.6	94.8	96.5	96.9	98.2	98.5	99.2	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.5	60.9	61.7	61.8	61.9	61.9	62.0	62.2	62.2	62.2	62.3	62.3	62.5	62.5	62.6	62.9
GE 20000	66.2	67.7	68.6	68.7	68.8	68.8	68.9	69.0	69.0	69.0	69.1	69.1	69.4	69.4	69.5	69.8
GE 18000	66.3	67.8	68.7	68.8	68.9	68.9	69.0	69.1	69.1	69.1	69.2	69.2	69.5	69.5	69.6	69.9
GE 16000	66.3	67.8	68.7	68.8	68.9	68.9	69.0	69.1	69.1	69.1	69.2	69.2	69.5	69.5	69.6	69.9
GE 14000	66.5	68.0	68.8	68.9	69.0	69.0	69.1	69.2	69.2	69.2	69.4	69.4	69.6	69.6	69.7	70.0
GE 12000	67.6	69.1	70.0	70.1	70.2	70.2	70.3	70.4	70.4	70.4	70.5	70.5	70.8	70.8	70.9	71.2
GE 10000	69.8	71.5	72.4	72.5	72.6	72.6	72.7	72.8	72.8	72.8	72.9	72.9	73.1	73.1	73.2	73.5
GE 9000	70.8	72.5	73.3	73.4	73.5	73.5	73.7	73.8	73.8	73.8	73.9	73.9	74.1	74.1	74.2	74.5
GE 8000	72.8	74.5	75.4	75.5	75.6	75.6	75.8	75.9	75.9	76.0	76.1	76.1	76.3	76.3	76.5	76.8
GE 7000	73.7	75.4	76.2	76.3	76.5	76.5	76.7	76.8	76.8	76.9	77.0	77.0	77.2	77.2	77.3	77.6
GE 6000	74.3	76.1	77.0	77.1	77.2	77.2	77.4	77.5	77.5	77.6	77.7	77.7	78.0	78.0	78.1	78.4
GE 5000	76.5	78.4	79.2	79.4	79.5	79.5	79.7	79.8	79.8	79.9	80.0	80.0	80.2	80.2	80.3	80.6
GE 4500	78.4	80.3	81.2	81.3	81.4	81.4	81.6	81.7	81.7	81.8	81.9	81.9	82.2	82.2	82.3	82.6
GE 4000	81.1	83.1	84.1	84.2	84.4	84.4	84.6	84.7	84.7	84.8	84.9	84.9	85.2	85.2	85.3	85.6
GE 3500	83.3	85.4	86.3	86.5	86.7	86.7	86.9	87.0	87.0	87.1	87.2	87.2	87.4	87.4	87.5	87.8
GE 3000	85.3	87.3	88.3	88.5	88.7	88.7	88.9	89.0	89.0	89.1	89.2	89.2	89.5	89.5	89.6	89.9
GE 2500	86.1	88.2	89.5	89.7	89.9	89.9	90.1	90.2	90.2	90.3	90.4	90.4	90.6	90.6	90.8	91.1
GE 2000	87.2	89.4	90.9	91.1	91.3	91.3	91.6	91.7	91.7	91.8	91.9	91.9	92.2	92.2	92.3	92.6
GE 1800	87.3	89.5	91.0	91.2	91.4	91.4	91.7	91.8	91.8	91.9	92.0	92.0	92.3	92.3	92.4	92.7
GE 1500	87.8	90.0	91.5	91.7	91.9	91.9	92.3	92.4	92.4	92.5	92.6	92.6	92.8	92.8	92.9	93.2
GE 1200	88.2	90.3	91.8	92.0	92.3	92.3	92.6	92.7	92.7	92.8	92.9	92.9	93.1	93.1	93.2	93.5
GE 1000	89.0	91.3	93.0	93.2	93.4	93.4	93.8	93.9	93.9	94.0	94.1	94.1	94.3	94.3	94.4	94.7
GE 900	89.0	91.3	93.0	93.2	93.4	93.4	93.8	93.9	93.9	94.0	94.1	94.1	94.3	94.3	94.4	94.7
GE 800	89.2	91.5	93.5	94.0	94.5	94.5	95.1	95.2	95.2	95.3	95.4	95.4	95.6	95.6	95.7	96.0
GE 700	89.5	91.7	93.9	94.5	95.1	95.1	95.6	95.7	95.7	95.8	95.9	95.9	96.1	96.1	96.2	96.6
GE 600	89.5	91.7	93.9	94.5	95.2	95.2	95.7	95.8	95.8	95.9	96.0	96.0	96.2	96.2	96.3	96.7
GE 500	89.7	91.9	94.1	95.1	95.9	95.9	96.5	96.6	96.6	96.7	96.8	96.8	97.0	97.0	97.1	97.4
GE 400	89.7	91.9	94.1	95.1	96.2	96.2	96.8	96.9	96.9	97.1	97.2	97.2	97.4	97.4	97.5	97.8
GE 300	89.7	92.0	94.4	95.4	96.6	96.6	97.1	97.4	97.4	97.6	97.7	97.7	98.0	98.0	98.1	98.5
GE 200	89.7	92.0	94.4	95.4	96.7	96.7	97.2	97.5	97.5	97.8	98.1	98.1	98.3	98.3	98.4	99.0
GE 100	89.7	92.0	94.4	95.4	96.7	96.7	97.2	97.6	97.6	98.0	98.3	98.3	98.8	98.8	99.0	99.8
GE 000	89.7	92.0	94.4	95.4	96.7	96.7	97.2	97.6	97.6	98.0	98.3	98.3	98.8	98.8	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.0	57.0	58.1	58.7	59.3	59.4	59.6	59.6	59.6	59.7	59.7	59.7	59.8	59.8	59.8	59.9
GE 20000	62.5	64.8	66.1	66.7	67.3	67.4	67.6	67.6	67.6	67.7	67.7	67.7	67.8	67.8	67.8	67.9
GE 18000	62.8	65.1	66.4	67.0	67.6	67.7	67.9	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.2
GE 16000	62.8	65.2	66.4	67.0	67.7	67.8	67.9	68.0	68.0	68.1	68.1	68.1	68.2	68.2	68.2	68.3
GE 14000	63.3	65.6	66.9	67.5	68.2	68.3	68.4	68.5	68.5	68.6	68.6	68.6	68.7	68.7	68.7	68.8
GE 12000	64.5	66.9	68.2	68.8	69.5	69.6	69.7	69.8	69.8	69.9	69.9	69.9	70.0	70.0	70.0	70.1
GE 10000	66.9	69.4	70.7	71.4	72.1	72.2	72.4	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.7	72.8
GE 9000	67.5	70.1	71.4	72.0	72.8	72.8	73.1	73.1	73.1	73.2	73.2	73.2	73.3	73.3	73.3	73.4
GE 8000	69.2	71.8	73.1	73.8	74.5	74.6	74.8	74.9	74.9	75.0	75.0	75.0	75.1	75.1	75.1	75.2
GE 7000	70.1	72.7	74.0	74.7	75.4	75.5	75.7	75.8	75.8	75.9	75.9	75.9	76.0	76.0	76.0	76.1
GE 6000	70.7	73.4	74.7	75.4	76.2	76.3	76.5	76.5	76.5	76.6	76.6	76.6	76.7	76.7	76.7	76.8
GE 5000	72.5	75.3	76.7	77.4	78.2	78.3	78.5	78.6	78.6	78.7	78.7	78.7	78.8	78.8	78.8	78.9
GE 4500	74.0	76.9	78.3	79.0	79.8	79.9	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.4	80.5
GE 4000	77.0	80.2	81.8	82.6	83.5	83.6	83.9	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.2	84.3
GE 3500	78.4	81.6	83.4	84.3	85.3	85.4	85.7	85.7	85.7	85.8	85.8	85.8	85.9	85.9	85.9	86.0
GE 3000	79.9	83.2	85.0	86.0	87.1	87.2	87.5	87.5	87.5	87.6	87.6	87.6	87.7	87.7	87.8	87.8
GE 2500	80.8	84.2	86.0	87.1	88.1	88.3	88.5	88.6	88.6	88.7	88.7	88.7	88.8	88.8	88.8	88.9
GE 2000	81.7	85.2	87.3	88.4	89.4	89.6	89.9	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.2	90.3
GE 1800	81.7	85.3	87.4	88.5	89.6	89.7	90.0	90.1	90.1	90.2	90.2	90.2	90.3	90.3	90.3	90.4
GE 1500	82.5	86.2	88.3	89.5	90.6	90.8	91.0	91.1	91.1	91.2	91.3	91.3	91.3	91.3	91.4	91.5
GE 1200	83.0	86.7	89.0	90.1	91.3	91.5	91.8	91.9	91.9	92.0	92.1	92.1	92.1	92.1	92.2	92.3
GE 1000	83.5	87.4	89.8	91.0	92.3	92.4	92.8	92.9	92.9	93.0	93.1	93.1	93.1	93.1	93.2	93.3
GE 900	83.8	87.8	90.2	91.5	92.8	93.0	93.4	93.5	93.5	93.6	93.6	93.6	93.7	93.7	93.8	93.8
GE 800	84.0	88.1	90.6	92.1	93.6	93.8	94.2	94.4	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.7
GE 700	84.4	88.6	91.4	92.8	94.5	94.7	95.2	95.3	95.3	95.5	95.5	95.5	95.6	95.6	95.6	95.7
GE 600	84.5	88.8	91.7	93.2	95.0	95.2	95.8	95.9	95.9	96.0	96.1	96.1	96.2	96.2	96.2	96.3
GE 500	84.6	88.9	91.9	93.6	95.5	95.8	96.3	96.5	96.5	96.6	96.7	96.7	96.8	96.8	96.9	96.9
GE 400	84.6	89.0	92.1	93.8	95.9	96.1	96.9	97.2	97.2	97.3	97.4	97.4	97.5	97.5	97.6	97.8
GE 300	84.6	89.0	92.2	93.8	96.0	96.2	97.2	97.4	97.4	97.7	97.8	97.8	97.9	97.9	98.0	98.3
GE 200	84.6	89.0	92.2	93.8	96.0	96.3	97.2	97.5	97.5	97.9	98.1	98.1	98.4	98.5	98.7	99.1
GE 100	84.6	89.0	92.2	93.9	96.0	96.3	97.2	97.6	97.6	98.0	98.3	98.3	98.7	98.8	99.1	99.7
GE 000	84.6	89.0	92.2	93.9	96.0	96.3	97.2	97.6	97.6	98.0	98.3	98.3	98.7	98.8	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.7	63.5	64.5	65.0	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.6
GE 20000	70.9	74.2	75.3	75.8	76.1	76.2	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.5
GE 18000	71.1	74.4	75.5	76.1	76.4	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.7
GE 16000	71.2	74.5	75.7	76.2	76.5	76.5	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8
GE 14000	72.0	75.3	76.5	77.0	77.3	77.4	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.7	77.7
GE 12000	73.7	77.1	78.3	78.8	79.2	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5
GE 10000	76.6	80.2	81.5	82.1	82.4	82.5	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.8	82.8
GE 9000	77.3	80.9	82.2	82.8	83.1	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5
GE 8000	79.1	82.8	84.2	84.8	85.2	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.5
GE 7000	79.6	83.4	84.8	85.4	85.8	85.8	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.2
GE 6000	79.9	83.8	85.1	85.8	86.2	86.2	86.4	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.6
GE 5000	80.9	84.8	86.2	86.9	87.3	87.4	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.7	87.7	87.7
GE 4500	81.5	85.4	86.8	87.5	87.9	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3
GE 4000	83.5	87.7	89.2	89.9	90.3	90.4	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.8
GE 3500	84.4	88.7	90.2	91.0	91.4	91.5	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.9
GE 3000	85.7	90.1	91.7	92.6	93.1	93.2	93.4	93.4	93.4	93.5	93.5	93.5	93.6	93.6	93.6	93.6
GE 2500	86.2	90.7	92.4	93.2	93.8	93.9	94.1	94.1	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3
GE 2000	86.9	91.4	93.1	94.0	94.7	94.7	95.0	95.0	95.0	95.1	95.1	95.1	95.2	95.2	95.2	95.2
GE 1800	87.0	91.5	93.2	94.1	94.8	94.9	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.4	95.4
GE 1500	87.4	91.9	93.8	94.7	95.4	95.5	95.7	95.8	95.8	95.8	95.9	95.9	95.9	95.9	96.0	96.0
GE 1200	87.7	92.4	94.2	95.2	95.9	96.0	96.3	96.3	96.3	96.4	96.4	96.4	96.5	96.5	96.5	96.6
GE 1000	88.0	92.7	94.6	95.6	96.4	96.5	96.8	96.9	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1
GE 900	88.2	92.9	94.8	95.9	96.7	96.8	97.1	97.1	97.1	97.2	97.3	97.3	97.3	97.3	97.4	97.4
GE 800	88.3	93.1	95.1	96.1	96.9	97.1	97.4	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7
GE 700	88.4	93.2	95.3	96.4	97.3	97.4	97.7	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.1
GE 600	88.5	93.3	95.4	96.5	97.5	97.6	97.9	98.0	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3
GE 500	88.5	93.4	95.5	96.7	97.7	97.9	98.2	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7
GE 400	88.5	93.4	95.6	96.8	97.9	98.0	98.4	98.6	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9
GE 300	88.5	93.4	95.6	96.9	97.9	98.1	98.6	98.8	98.8	99.0	99.0	99.0	99.1	99.1	99.2	99.3
GE 200	88.5	93.5	95.7	96.9	98.0	98.1	98.6	98.9	98.9	99.1	99.2	99.2	99.3	99.4	99.5	99.6
GE 100	88.5	93.5	95.7	96.9	98.0	98.2	98.6	98.9	98.9	99.1	99.2	99.2	99.4	99.5	99.6	99.8
GE 000	88.5	93.5	95.7	96.9	98.0	98.2	98.6	98.9	98.9	99.1	99.2	99.2	99.4	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 87643

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBS	GT 1/2	PARTIAL OBS	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	37.7	25.1	17.3	15.5	4.4	37.2	2.3	930
03-05	35.6	20.3	19.0	18.0	7.1	44.1	3.5	930
06-08	21.9	27.1	23.4	18.1	9.5	51.0	4.3	930
09-11	18.1	31.2	25.5	20.0	5.3	50.8	5.4	930
12-14	12.5	40.4	28.6	18.1	.4	47.1	1.9	930
15-17	12.4	41.4	30.1	15.9	.2	46.2	1.0	930
18-20	19.5	43.3	21.0	15.7	.5	37.2	1.0	930
21-23	32.6	31.7	16.0	17.8	1.8	35.7	1.5	930
ALL HOURS	23.8	32.6	22.6	17.4	3.7	43.7	2.6	7440

MONTH: FEB HOURS: ALL

00-02	35.0	25.5	18.6	19.1	1.8	39.5	1.3	846
03-05	29.9	25.4	20.8	21.0	2.8	44.7	2.4	846
06-08	21.0	28.4	26.4	20.9	3.3	50.6	5.6	846
09-11	15.1	34.0	30.9	18.2	1.8	50.8	3.7	846
12-14	12.7	41.1	31.4	14.9		46.3	.8	845
15-17	12.6	39.1	33.1	15.1		48.2	.5	846
18-20	15.4	39.7	28.7	15.8	.4	44.9	.1	846
21-23	28.4	31.1	20.0	19.9	.7	40.5	.1	846
ALL HOURS	21.3	33.0	26.2	18.1	1.3	45.7	1.8	6767

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	30.9	32.9	19.1	15.9	1.2	36.2	.9	930
03-05	28.9	32.6	20.8	16.1	1.6	38.5	2.5	930
06-08	19.7	33.1	27.5	18.0	1.7	47.2	4.8	930
09-11	16.6	34.6	31.3	17.2	.3	48.8	2.8	930
12-14	11.0	44.3	27.5	17.2		44.7	.2	930
15-17	11.1	43.7	27.7	17.5		45.3	.2	930
18-20	15.5	41.2	26.9	16.5		43.3	.2	930
21-23	30.9	34.1	17.4	17.5	.1	35.1	.9	930
ALL HOURS	20.6	37.1	24.8	17.0	.6	42.4	1.6	7440

MONTH: APR HOURS: ALL

00-02	41.0	31.4	16.9	10.7		27.6	.3	900
03-05	41.9	30.1	17.4	10.3	.2	28.0	1.1	900
06-08	23.4	39.0	25.9	11.3	.3	37.6	2.3	900
09-11	16.9	46.6	25.8	10.6	.2	36.6	.3	900
12-14	11.9	53.9	21.9	12.3		34.2	.3	900
15-17	14.9	49.0	25.2	10.9		36.1	.3	900
18-20	20.8	45.7	21.8	11.8		33.5	.1	900
21-23	36.4	35.0	18.1	10.4		28.6	.2	900
ALL HOURS	25.9	41.3	21.6	11.0	.1	32.8	.6	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY HOURS: ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES		GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				OVERCAST	TOTAL OBSCURATION			
00-02	33.1	44.2	15.8	6.9		22.7		930
03-05	34.4	41.8	15.9	7.8		23.8	.5	930
06-08	15.8	49.4	27.5	7.2	.1	34.8	.3	930
09-11	11.7	57.1	24.1	7.1		31.2	.8	930
12-14	3.9	60.6	27.6	7.8		35.5	1.2	930
15-17	5.6	53.0	33.7	7.7		41.4	.8	930
18-20	8.4	49.9	32.9	8.8		41.7		930
21-23	21.9	49.5	20.8	7.7	.1	28.6		930
ALL HOURS	16.9	50.7	24.8	7.6	.0	32.5	.4	7440

MONTH: JUN HOURS: ALL

00-02	19.0	48.4	24.0	8.6		32.6	.3	900
03-05	18.6	52.4	23.2	5.8		29.0	.6	900
06-08	6.3	49.0	37.6	7.1		44.7	1.7	900
09-11	3.4	52.4	35.2	8.9		44.1	1.0	900
12-14	.9	52.6	37.4	9.0	.1	46.6	1.1	900
15-17	1.2	39.9	47.0	11.9		58.9	.8	900
18-20	1.4	36.8	46.7	15.0	.1	61.8	.6	900
21-23	7.8	44.1	31.9	16.2		48.1	.2	900
ALL HOURS	7.3	47.0	35.4	10.3	.0	45.7	.8	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBS
	CLEAR	SCATTERED	BROKEN OVERCAST	GT 1/2	
00-02	11.1	50.6	30.0	8.3	38.3
03-05	15.7	60.3	19.5	4.5	24.0
06-08	2.7	58.0	34.2	5.2	39.4
09-11	2.4	53.1	35.3	9.2	44.5
12-14		47.3	43.2	9.4	.1
15-17		31.4	51.1	17.4	.1
18-20	.2	20.9	50.2	28.7	78.9
21-23	3.2	39.2	36.8	20.8	57.6
ALL HOURS	4.4	45.1	37.5	12.9	.0

MONTH: AUG HOURS: ALL

00-02	12.0	49.7	29.2	9.0	38.3	930
03-05	19.5	57.5	15.1	8.0	23.0	930
06-08	1.8	59.9	31.2	7.1	38.3	1.6
09-11	.4	56.6	34.8	8.1	.1	43.0
12-14		47.7	40.4	11.8	52.3	.6
15-17	.1	30.2	52.2	17.4	.1	69.7
18-20	.4	21.7	54.7	23.1	77.8	.8
21-23	5.3	36.5	35.9	22.4	58.3	.2
ALL HOURS	4.9	45.0	36.7	13.4	.0	50.1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	
00-02	22.2	41.4	22.7	13.7	900
03-05	24.1	47.2	18.6	10.1	900
06-08	7.4	53.8	29.7	9.1	900
09-11	4.2	54.7	31.9	9.1	900
12-14	.1	52.4	34.7	12.8	900
15-17	.3	44.3	39.0	16.3	900
18-20	2.0	37.6	39.8	20.7	900
21-23	11.6	39.6	31.0	17.9	900
ALL HOURS	9.0	46.4	30.9	13.7	7200

MONTH: OCT HOURS: ALL

00-02	38.7	35.7	17.4	7.8	930
03-05	35.9	36.5	19.2	8.0	930
06-08	18.6	47.6	24.1	9.1	930
09-11	15.1	53.3	21.0	10.3	930
12-14	6.0	59.6	24.2	10.1	930
15-17	5.2	54.7	30.6	9.5	930
18-20	13.1	49.2	26.3	11.3	930
21-23	31.7	38.5	19.2	10.5	930
ALL HOURS	20.5	46.9	22.8	9.6	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880 STATION NAME: MACDILL AFB/TAMPA FL PERIOD OF RECORD: AUG 80 - JUL 90
LST TO UTC: + 5 MONTH: NOV HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBS	GT 1/2	PARTIAL OBS	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	35.0	30.1	19.3	14.7	.9	34.9	.4	900
03-05	35.0	27.7	19.1	16.4	1.8	37.3	2.1	900
06-08	19.4	35.3	26.3	16.2	2.7	45.2	3.2	900
09-11	15.1	38.2	28.4	17.2	1.0	46.7	3.7	900
12-14	8.7	48.7	27.3	15.1	.2	42.7	.8	900
15-17	7.3	48.3	28.2	16.1		44.3	.2	900
18-20	13.8	42.3	27.7	16.2		43.9	.1	900
21-23	31.1	33.7	20.2	14.7	.3	35.2	.3	900
ALL HOURS	20.7	38.0	24.6	15.8	.9	41.3	1.4	7200

MONTH: DEC HOURS: ALL

00-02	32.3	25.5	24.5	15.8	1.9	42.3	2.7	930
03-05	31.0	25.9	20.3	19.8	3.0	43.1	2.7	930
06-08	19.4	31.5	27.1	18.9	3.1	49.1	3.1	930
09-11	13.2	35.3	32.2	17.8	1.5	51.5	2.4	930
12-14	9.9	38.4	34.1	17.3	.3	51.7	.5	930
15-17	9.8	38.8	35.5	15.5	.4	51.4	.5	930
18-20	16.9	33.8	33.8	15.3	.3	49.4	.2	930
21-23	27.3	30.8	23.9	17.1	1.0	41.9	1.9	930
ALL HOURS	20.0	32.5	28.9	17.2	1.5	47.6	1.8	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: ALL HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	29.0	36.8	21.3	12.1	.9	34.3	.7	10956
03-05	29.2	38.2	19.1	12.1	1.4	32.6	1.3	10956
06-08	14.8	42.8	28.4	12.3	1.8	42.5	2.6	10956
09-11	11.0	45.7	29.7	12.8	.9	43.3	2.1	10956
12-14	6.4	48.9	31.5	13.0	.1	44.6	.8	10955
15-17	6.7	42.8	36.2	14.3	.1	50.5	.5	10956
18-20	10.6	38.5	34.2	16.6	.1	50.9	.3	10954
21-23	22.3	37.0	24.3	16.1	.3	40.7	.5	10953
ALL HOURS	16.2	41.3	28.1	13.7	.7	42.4	1.1	87642

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPP	AA AA	RRRRRRRR	TT	EEEEEE
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	EEEEEE
PP	AAAAAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEEE

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PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS: $F = 1.8C + 32$

$C = K - 273.0$ (BEFORE 5 APRIL 77)

$C = K - 273.2$ (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

E - 1 - 3

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4105-9007
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 100						.1							.0
GE 95					.6	5.0	4.4	4.4	1.8				1.4
GE 90			.1	1.9	20.1	50.5	59.4	60.7	46.1	7.4	.3		20.7
GE 85	.3	1.7	6.7	28.8	72.8	92.6	93.8	94.4	88.9	52.3	10.5	1.1	45.7
GE 80	12.6	17.1	35.7	69.2	96.2	99.0	99.2	99.3	98.0	82.8	42.2	15.5	64.2
GE 75	34.3	40.9	64.5	88.7	99.4	100.0	100.0	100.0	99.9	94.6	71.0	41.7	78.1
GE 70	56.4	63.5	81.9	96.8	100.0				100.0	98.7	86.9	64.1	87.5
GE 65	74.8	80.3	92.4	99.6						99.8	94.3	80.8	93.6
GE 60	86.8	89.9	97.6	99.9						100.0	98.3	91.7	97.1
GE 55	95.0	96.7	99.3	100.0							99.6	97.0	99.0
GE 50	98.4	99.0	99.9								99.9	99.2	99.7
GE 45	99.7	100.0	100.0								100.0	99.7	99.9
GE 40	99.9											100.0	100.0
GE 35	100.0												100.0
MEAN	69.9	71.4	75.8	81.1	86.4	89.3	89.8	89.9	88.7	83.8	77.1	71.5	81.3
SD	8.50	8.18	6.98	5.24	3.63	3.31	3.15	3.13	3.51	4.83	6.72	7.94	9.43
TOTAL OBS	1519	1383	1519	1470	1550	1499	1519	1519	1470	1519	1470	1519	17956

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4105-9007
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 80					.1	2.4	4.3	5.4	1.2				1.1
GE 75				.5	5.2	48.6	68.7	70.6	55.3	8.5	.2		21.6
GE 70	.1	.4	3.2	13.5	59.5	96.9	99.6	99.7	96.8	47.6	9.9	1.2	44.4
GE 65	7.6	11.1	24.8	51.6	90.7	99.8	100.0	100.0	99.7	76.6	33.7	12.0	59.3
GE 60	25.7	30.6	52.0	79.7	99.0	99.9			100.0	90.5	60.2	34.5	72.9
GE 55	45.6	50.9	74.4	93.9	100.0	99.9				97.0	77.9	53.1	82.9
GE 50	64.0	72.5	88.4	98.9		100.0				99.5	89.9	70.6	90.4
GE 45	79.6	87.2	96.0	99.8						99.9	96.1	84.5	95.3
GE 40	91.8	95.1	99.5	100.0						100.0	99.1	94.2	98.3
GE 35	97.0	99.1	99.9								99.9	98.2	99.5
GE 33	98.5	99.9	99.9								99.9	99.1	99.8
GE 30	99.2	100.0	100.0								99.9	99.5	99.9
GE 25	100.0										100.0	99.9	100.0
GE 20												100.0	100.0
MEAN	52.6	54.2	58.9	63.9	69.7	74.4	75.6	75.8	74.6	68.0	60.3	54.3	65.3
SD	8.91	8.17	7.17	5.35	3.59	2.70	2.32	2.29	2.48	5.74	7.75	8.91	10.46
TOTAL OBS	1519	1383	1519	1470	1550	1499	1519	1519	1470	1519	1470	1519	17956

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4105-9007
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
90							.2	.1					.0
85					.8	15.2	23.4	25.9	13.1	.3			6.6
80			.3	3.5	38.4	84.1	92.4	93.0	83.1	25.7	1.6	.1	35.4
75	1.3	3.9	13.7	40.7	88.2	99.7	99.9	100.0	98.9	68.9	21.4	4.2	53.8
70	18.4	23.4	44.3	76.8	98.8	99.9	100.0		99.9	90.1	54.4	25.1	69.6
65	40.9	46.1	71.7	93.5	100.0	100.0			100.0	97.0	76.4	48.7	81.4
60	60.5	69.8	87.2	99.0						99.7	89.2	68.5	89.6
55	78.3	84.6	95.6	99.6						100.0	95.8	84.3	94.9
50	90.8	94.6	98.7	100.0							99.0	93.9	98.1
45	97.4	98.6	99.9								99.8	98.3	99.5
40	98.9	99.9	100.0								100.0	99.5	99.9
35	99.9	100.0										99.9	100.0
33	99.9											99.9	100.0
30	100.0											100.0	100.0
MEAN	61.4	63.0	67.5	72.7	78.3	82.0	82.8	83.0	81.8	76.1	68.9	63.1	73.4
SD	8.29	7.73	6.63	4.82	3.14	2.54	2.31	2.30	2.63	4.91	6.91	8.04	9.72
TOTAL OBS	1519	1383	1519	1470	1550	1499	1519	1519	1470	1519	1470	1519	17956

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4105-9007
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41					92	93	92	95	93	93	85	86	95*
42	80	80	85	89	91	95	98	97	95	90	90	83	98
43	84	84	89	92	93	97	94	95	96	87	88	84	97
44	80	86	88	92	94	95	96	97	96	94	84	81	97
45	77	84	90	91	96	96	93	93	92	91	86	79	96
46	81	81	84	89	93	97	93	97	93	90	88	84	97
47	86	76	82	91	92	93		93	94	89	86	82	94*
48	80	82	87	88	92	98	94	92	94	92	90	87	98
49	83	84	89	90	92	95	95	93	94	90	84	81	95
50	83	86	87	88	91	96	94	95	92	90	88	78	96
51	81	80	86	89	93	98	98	95	95	92	86	85	98
52	82	79	86	88	95	98	95	95	96	89	81	79	98
53	79	81	84	88	94	96	95	94	91	86	84	82	96
54	81	84	85	89	92	94	96	96	94	92	80	79	96
55	82	82	85	88	95	94	95	95	95	91	83	81	95
56	78	81	82	89	93	93	98	95	93	89	85	86	98
57	83	85	82	89	96	95	94	96	94	88	87	79	96
58	73	74	79	93	94	95	95	94	97	93	89	81	97
59	83	85	85	89	92	94	93	93	92	92	88	82	94
60	81	80	85	88	92	93	95	95	92	90	85	80	95
61	77	84	86	85	92	92	92	94	93	89	90	83	94
62	82	85	85	89	91	92	93	94	94	91	81	79	94
63	79	76	84	86	91	95	95	91	94	90	81	79	95
64	78	78	84	88	90	95	95	94	92	88	85	83	95
65	80	81	83	89	92	95	92	93	92	89	81	77	95
66	79	82	81	87	88	90	93	92	92	89	83	81	93
67	81	80	84	90	91	93	91	91	91	86	82	82	93
68	80	77	81	88	92	90	93	94	93	90	84	80	94
69	80	77	81	86	89	97	94	93	90	87	80	76	97
70	79	78	82	89	90	90	93	94	93	88	82	81	94
71	82	84	81	90	91	95	95	97	97	92	89	83	97
72	83	81	84	89	91	95	96	97	94	92	88	87	97
73	83	79	86	86	90	96	93	92	92	92	87	82	96
74	83	86	89	87	92	94	91	93	94	91	87	81	94
75	84	84	86	92	95	94	94	93	93	90	87	80	95

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4105-9007
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	81	85	87	89	92	92	93	92	91	88	80	83	93
77	73	79	86	88	95	95	95	92	92	90	84	82	95
78	78	72	83	87	91	93	93	93	94	90	86	89	94
79	79	85	83	88	95	97	96	93	91	86	86	84	97
80	83	78	86	89	92	95	96	96	94	89	86	78	96
81	71	84	84	90	92	100	95	94	90	88	87	83	100
82	84	86	87	90	91	94	92	93	93	89	84	86	94
83	79	83	84	85	92	91	95	95	95	91	83	82	95
84	80	82	83	88	91	93	93	93	93	90	87	84	93
85	84	85	85	90	92	99	97	93	91	91	87	81	99
86	76	81	87	91	96	94	94	93	92	92	89	84	96
87	80	83	81	85	92	96	95	94	92	85	85	81	96
88	79	81	83	85	93	95	99	97	96	92	90	83	99
89	84	86	90	89	96	96	95	95	94	91	87	80	96
90	87	86	89	88	94	95	96						96*
.....													
GREATEST	87	86	90	93	96	100	99	97	97	94	90	89	100
.....													
TOTAL OBS	1519	1383	1519	1470	1550	1499	1519	1519	1470	1519	1470	1519	17956

THE GREATEST VALUE OF 100 OCCURRED ON 06/17/81

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4105-9007
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41					58	69	72	76	72	68	49	48	48*
42	31	40	43	50	63	71	72	69	69	58	46	36	31
43	42	33	32	54	65	70	70	73	71	50	45	35	32
44	43	42	47	50	62	72	72	73	72	54	45	37	37
45	43	37	55	61	58	71	70	70	70	55	43	38	37
46	42	43	49	57	64	70	70	71	70	64	54	46	42
47	37	36	37	62	64	65		72	65	66	49	48	36*
48	30	41	46	62	64	70	72	71	71	60	50	48	30
49	41	50	45	55	64	65	72	72	71	68	43	46	41
50	57	44	44	43	63	70	69	71	71	66	35	35	35
51	34	32	47	53	63	69	72	73	73	60	37	40	32
52	39	47	49	51	61	70	72	73	71	48	49	38	38
53	43	46	55	53	67	71	71	72	72	52	50	37	37
54	41	51	37	59	61	71	72	73	70	55	41	36	36
55	37	33	40	59	61	69	71	73	73	55	40	38	33
56	38	43	43	55	68	70	70	70	65	56	39	44	38
57	38	52	50	58	62	71	72	68	73	43	49	29	29
58	32	33	48	57	62	73	73	71	74	57	53	40	32
59	34	48	48	50	67	69	71	73	71	63	34	43	34
60	34	41	37	52	58	68	73	72	71	61	52	33	33
61	35	47	46	53	61	69	71	73	71	55	49	33	33
62	34	45	43	48	62	71	74	72	66	56	40	20	20
63	37	39	45	56	58	70	72	71	65	49	39	31	31
64	27	39	42	51	61	69	71	72	67	49	48	39	27
65	33	41	45	53	60	70	69	70	70	53	43	38	33
66	25	33	42	52	67	68	73	72	68	50	38	34	25
67	36	30	48	56	62	68	72	71	64	54	46	34	30
68	35	40	38	59	60	68	71	72	69	51	40	30	30
69	40	40	40	58	57	70	71	70	70	67	35	39	35
70	26	34	46	57	55	66	69	73	68	58	29	37	26
71	29	35	40	44	55	68	67	71	70	63	48	53	29
72	38	38	49	52	64	65	72	73	67	62	46	36	36
73	35	34	50	49	60	71	71	68	72	51	43	33	33
74	59	35	50	53	62	67	70	72	72	56	49	39	35
75	37	44	44	50	68	73	72	71	68	61	38	32	32

E - 3 - 2A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4105-9007
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	33	37	46	54	61	69	70	70	65	52	38	35	33
77	28	36	42	53	58	72	71	71	69	49	47	35	28
78	33	35	39	56	64	71	69	70	70	57	53	45	33
79	30	37	51	61	62	73	70	69	71	53	41	41	30
80	37	36	32	53	60	72	70	70	72	54	48	37	32
81	28	37	45	58	57	70	70	72	61	58	43	33	28
82	32	47	44	53	61	72	72	72	65	52	48	39	32
83	37	40	45	50	58	67	71	75	64	61	48	25	25
84	31	38	41	51	58	54	70	69	69	58	40	37	31
85	25	40	49	50	65	68	71	73	69	63	54	31	25
86	30	42	40	53	61	70	70	72	72	59	60	49	30
87	37	35	44	41	58	73	73	70	70	48	44	38	35
88	39	39	41	48	62	68	75	75	68	57	50	39	39
89	46	36	45	53	61	72	72	70	71	51	47	28	28
90	44	50	48	53	66	68	73						44*

LEAST	25	30	32	41	55	54	67	68	61	43	29	20	20
TOTAL OBS	1519	1383	1519	1470	1550	1499	1519	1519	1470	1519	1470	1519	17956

THE LEAST VALUE OF 20 OCCURRED ON 12/13/62

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

E - 3 - 2B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4105-9007
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41					76	81	82	85	82	80	70	67	78*
42	60	58	65	72	78	82	86	84	83	76	70	65	73
43	64	61	68	72	80	83	83	83	82	72	67	63	73
44	60	69	70	75	79	84	83	85	84	74	67	60	74
45	60	66	73	76	77	83	82	83	82	76	68	60	74
46	64	64	69	73	79	81	82	83	81	77	75	68	75
47	70	56	63	77	79	80		82	80	77	70	65	73*
48	59	67	73	75	80	83	82	83	82	76	75	70	75
49	68	70	68	74	79	81	83	81	82	79	65	67	75
50	71	67	67	68	79	83	81	82	80	77	64	58	73
51	62	62	69	71	78	83	84	86	84	78	66	68	74
52	66	65	70	72	80	85	84	84	82	73	68	61	74
53	62	65	71	72	81	82	83	82	81	74	68	64	74
54	64	65	65	77	77	83	83	84	82	75	66	60	73
55	61	64	68	74	79	81	83	85	84	77	68	63	74
56	57	68	67	71	80	82	83	84	81	74	66	68	73
57	66	70	68	75	80	83	83	83	82	74	71	61	75
58	55	54	65	73	78	84	84	84	84	76	74	63	73
59	60	70	66	74	80	82	83	82	82	80	69	62	74
60	62	61	63	74	77	82	84	84	82	79	72	59	73
61	59	66	71	69	78	81	83	83	83	77	71	65	74
62	61	67	66	72	79	80	85	84	82	77	64	59	73
63	59	58	69	73	78	82	83	83	81	75	66	54	72
64	58	57	68	74	78	82	81	83	81	73	70	66	73
65	61	64	66	74	78	80	80	82	81	74	68	61	73
66	57	60	65	70	78	79	82	82	80	76	66	61	71
67	64	61	69	74	77	80	81	81	80	74	67	66	73
68	61	57	63	74	77	80	81	83	81	76	66	59	72
69	60	60	60	73	77	83	83	82	80	77	64	59	72
70	54	59	65	73	76	80	82	83	82	76	64	63	71
71	61	63	63	71	77	83	83	85	82	79	70	71	74
72	69	62	68	74	79	83	84	85	83	78	70	66	75
73	63	59	72	72	78	82	82	82	82	77	73	61	74
74	72	63	72	73	78	80	81	84	84	75	70	63	75
75	66	68	69	74	81	83	83	83	82	78	69	61	75

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: +05

PERIOD OF RECORD: 4105-9007
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	58	64	73	73	78	81	82	82	80	72	63	60	72
77	51	58	70	73	78	83	82	81	81	72	69	61	72
78	56	54	64	73	79	82	81	82	82	76	73	67	73
79	58	60	67	76	79	84	84	81	80	75	70	65	73
80	64	58	69	71	79	84	82	83	84	76	69	59	73
81	51	62	64	74	76	83	84	82	81	77	68	62	72
82	63	70	70	74	78	82	83	82	81	76	71	68	75
83	59	61	63	69	76	81	84	84	82	79	68	63	73
84	58	63	66	70	77	80	81	82	80	77	66	67	72
85	56	64	69	72	79	82	82	82	80	80	75	60	74
86	60	65	66	70	78	81	82	82	82	77	76	67	74
87	60	63	66	66	78	84	83	84	82	71	69	64	73
88	59	59	65	69	76	83	85	85	85	77	74	65	74
89	69	67	71	74	79	83	84	84	83	76	69	57	75
90	68	70	72	73	80	84	85						76*
.....													
MEAN	61.4	63.0	67.5	72.7	78.3	82.0	82.8	83.0	81.8	76.1	68.9	63.1	73.4
.....													
TOTAL OBS	1519	1383	1519	1470	1550	1499	1519	1519	1470	1519	1470	1519	17956

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	55.8	9.015	930	0	2	204	0	0	930
03-05	54.7	9.277	930	0	11	165	0	0	930
06-08	54.2	9.495	930	0	18	145	0	0	930
09-11	60.1	9.107	930	0	3	310	2	0	930
12-14	66.4	9.287	930	0	0	541	65	0	930
15-17	66.4	8.961	930	0	0	549	51	0	930
18-20	60.1	8.591	930	0	0	308	1	0	930
21-23	57.2	8.699	930	0	0	230	0	0	930
ALL HOURS	59.3	10.107	7440	0	34	2452	119	0	7440

MONTH: FEB

00-02	59.6	7.464	846	0	0	246	0	0	846
03-05	58.4	7.773	846	0	0	200	0	0	846
06-08	58.1	7.998	846	0	0	197	0	0	846
09-11	64.4	8.406	846	0	0	462	9	0	846
12-14	70.5	8.419	846	0	0	658	122	0	846
15-17	70.5	8.157	846	0	0	652	112	0	846
18-20	64.5	7.599	846	0	0	464	4	0	846
21-23	61.2	7.354	846	0	0	322	0	0	846
ALL HOURS	63.4	9.212	6768	0	0	3201	247	0	6768

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	62.3	6.764	930	0	0	398	0	0	930
03-05	61.1	6.849	930	0	0	313	0	0	930
06-08	61.1	7.135	930	0	0	328	0	0	930
09-11	68.5	7.398	930	0	0	666	43	0	930
12-14	73.7	7.526	930	0	0	804	246	0	930
15-17	73.4	7.452	930	0	0	806	233	0	930
18-20	67.7	7.126	930	0	0	647	18	0	930
21-23	64.2	6.786	930	0	0	513	0	0	930
ALL HOURS	66.5	8.598	7440	0	0	4475	540	0	7440

MONTH: APR

00-02	65.7	5.355	900	0	0	596	0	0	900
03-05	64.1	5.403	900	0	0	486	0	0	900
06-08	65.3	5.672	899	0	0	558	0	0	899
09-11	73.5	5.550	900	0	0	841	115	0	900
12-14	78.1	5.688	900	0	0	883	452	0	900
15-17	77.6	5.869	900	0	0	884	394	0	900
18-20	71.8	5.864	900	0	0	792	66	0	900
21-23	67.8	5.299	900	0	0	682	0	0	900
ALL HOURS	70.5	7.687	7199	0	0	5722	1027	0	7199

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	71.9	3.583	930	0	0	898	10	0	930
03-05	70.2	3.814	930	0	0	858	2	0	930
06-08	72.0	4.124	930	0	0	892	28	0	930
09-11	80.0	3.969	930	0	0	930	532	0	930
12-14	84.4	4.024	930	0	0	929	834	10	930
15-17	84.0	4.325	930	0	0	929	807	17	930
18-20	78.5	4.427	930	0	0	928	397	0	930
21-23	74.2	3.856	930	0	0	918	78	0	930
ALL HOURS	76.9	6.558	7440	0	0	7282	2688	27	7440

MONTH: JUN

00-02	77.0	2.565	900	0	0	897	161	0	900
03-05	75.8	2.601	900	0	0	897	63	0	900
06-08	77.8	3.253	900	0	0	897	288	0	900
09-11	84.2	3.188	900	0	0	900	830	2	900
12-14	87.7	3.769	900	0	0	900	868	52	900
15-17	86.8	4.505	900	0	0	900	829	65	900
18-20	82.2	4.280	900	0	0	900	662	2	900
21-23	78.6	2.915	900	0	0	900	361	0	900
ALL HOURS	81.3	5.544	7200	0	0	7191	4062	121	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	78.2	2.534	930	0	0	930	302	0	930
03-05	77.3	2.255	930	0	0	930	150	0	930
06-08	79.0	2.943	930	0	0	930	405	0	930
09-11	85.3	2.981	930	0	0	930	898	2	930
12-14	88.3	3.737	930	0	0	930	903	87	930
15-17	86.6	5.117	930	0	0	930	825	96	930
18-20	82.1	4.480	928	0	0	928	655	4	928
21-23	79.3	3.000	927	0	0	927	464	0	927
ALL HOURS	82.0	5.278	7435	0	0	7435	4602	189	7435

MONTH: AUG

00-02	78.3	2.294	930	0	0	930	298	0	930
03-05	77.3	2.110	930	0	0	930	167	0	930
06-08	78.6	2.730	930	0	0	930	346	0	930
09-11	84.7	3.451	930	0	0	930	858	1	930
12-14	88.0	4.152	930	0	0	930	879	57	930
15-17	86.7	4.982	930	0	0	930	830	67	930
18-20	82.0	4.187	930	0	0	930	669	1	930
21-23	79.3	2.684	930	0	0	930	455	0	930
ALL HOURS	81.9	5.230	7440	0	0	7440	4502	126	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	76.9	2.886	900	0	0	897	178	0	900
03-05	76.0	2.869	900	0	0	894	85	0	900
06-08	76.6	3.195	900	0	0	894	166	0	900
09-11	83.1	3.739	900	0	0	900	763	0	900
12-14	86.9	4.086	900	0	0	900	836	29	900
15-17	85.9	4.823	900	0	0	900	784	35	900
18-20	80.9	4.019	899	0	0	899	575	0	899
21-23	78.3	3.118	900	0	0	897	332	0	900
ALL HOURS	80.6	5.359	7199	0	0	7181	3719	64	7199

MONTH: OCT

00-02	71.4	5.314	930	0	0	813	16	0	930
03-05	70.0	5.508	930	0	0	779	5	0	930
06-08	70.2	5.718	930	0	0	787	12	0	930
09-11	77.7	5.574	930	0	0	910	409	0	930
12-14	82.7	5.012	930	0	0	925	730	0	930
15-17	82.2	5.017	930	0	0	926	690	0	930
18-20	76.3	5.070	930	0	0	908	271	0	930
21-23	73.0	5.021	930	0	0	873	47	0	930
ALL HOURS	75.4	7.180	7440	0	0	6921	2180	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	55.9	6.924	900	0	0	572	0	0	900
03-05	64.7	7.175	900	0	0	537	0	0	900
06-08	64.6	7.324	900	0	0	520	0	0	900
09-11	71.0	7.039	900	0	0	747	81	0	900
12-14	76.5	6.728	900	0	0	840	366	0	900
15-17	75.9	6.657	900	0	0	832	317	0	900
18-20	69.9	6.842	900	0	0	722	32	0	900
21-23	67.1	6.966	900	0	0	627	0	0	900
ALL HOURS	69.5	8.212	7200	0	0	5397	796	0	7200

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	58.7	9.105	930	0	9	313	0	0	930
03-05	57.5	9.371	930	0	12	263	0	0	930
06-08	57.0	9.672	930	0	16	227	0	0	930
09-11	63.0	9.531	930	0	5	477	10	0	930
12-14	69.3	9.416	930	0	0	664	107	0	930
15-17	69.0	9.068	930	0	0	671	80	0	930
18-20	62.9	8.926	930	0	0	480	1	0	930
21-23	60.3	8.924	930	0	5	383	0	0	930
ALL HOURS	62.2	10.316	7440	0	47	3478	198	0	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	68.5	9.817	10956	0	11	7694	965	0	10956
03-05	67.3	9.954	10956	0	23	7252	472	0	10956
06-08	67.9	10.712	10955	0	34	7305	1245	0	10955
09-11	74.7	10.784	10956	0	8	9003	4550	5	10956
12-14	79.4	9.975	10956	0	0	9904	6408	235	10956
15-17	78.8	9.750	10956	0	0	9909	5952	280	10956
18-20	73.3	9.972	10953	0	0	8906	3351	7	10953
21-23	70.1	9.728	10953	0	5	8202	1737	0	10953
ALL HOURS	72.5	11.054	87641	0	81	68175	24680	527	87641

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	52.4	9.579	930	22	555	45	0	0	930
03-05	51.6	10.062	930	25	548	44	0	0	930
06-08	51.2	10.335	930	31	523	48	0	0	930
09-11	54.8	9.885	930	20	635	120	0	0	930
12-14	57.6	9.342	930	5	720	199	18	0	930
15-17	57.4	9.023	930	4	734	181	6	0	930
18-20	54.6	9.068	930	11	639	92	0	0	930
21-23	53.2	9.307	930	13	577	61	0	0	930
ALL HOURS	54.1	9.853	7440	131	4931	790	24	0	7440

MONTH: FEB

00-02	55.9	8.301	846	2	663	63	1	0	846
03-05	55.2	8.710	846	8	641	51	1	0	846
06-08	54.9	9.101	846	12	624	53	0	0	846
09-11	58.5	9.170	846	2	690	180	5	0	846
12-14	60.8	8.700	846	0	730	264	23	0	846
15-17	60.6	8.288	846	0	737	254	14	0	846
18-20	58.2	8.163	846	0	706	142	1	0	846
21-23	56.7	8.196	846	0	678	85	0	0	846
ALL HOURS	57.6	8.838	6768	24	5469	1092	45	0	6768

E - 5 - 2 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR

HOURLS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 37	GE 50	GE 67	GE 73	GE 80	
00-02	58.2	7.466	930	0	804	123	3	0	930
03-05	57.5	7.520	930	0	783	106	1	0	930
06-08	57.5	7.872	930	0	777	108	2	0	930
09-11	61.3	7.805	930	0	849	274	35	0	930
12-14	62.9	7.419	930	0	877	353	63	0	930
15-17	62.5	7.214	930	0	879	321	48	0	930
18-20	60.6	7.235	930	0	841	207	14	0	930
21-23	59.2	7.297	930	0	819	147	2	0	930
ALL HOURS	60.0	7.786	7440	0	6629	1639	168	0	7440

MONTH: APR

HOURLS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 37	GE 50	GE 67	GE 73	GE 80	
00-02	61.3	6.045	900	0	867	168	6	0	900
03-05	60.4	6.350	900	0	846	140	7	0	900
06-08	61.2	6.613	899	0	844	204	9	0	899
09-11	64.7	6.186	900	0	879	422	62	0	900
12-14	65.8	5.915	900	0	893	462	133	0	900
15-17	65.7	5.785	900	0	892	457	94	0	900
18-20	63.7	6.044	900	0	881	348	36	0	900
21-23	62.4	5.978	900	0	877	232	11	0	900
ALL HOURS	63.1	6.452	7199	0	6979	2433	358	0	7199

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	67.1	4.187	930	0	930	559	89	0	930
03-05	66.4	4.359	930	0	930	492	68	0	930
06-08	67.6	4.367	930	0	930	573	136	0	930
09-11	70.3	4.227	930	0	930	760	328	0	930
12-14	71.1	4.203	930	0	930	795	388	5	930
15-17	71.0	4.161	930	0	930	802	366	8	930
18-20	69.3	4.084	930	0	930	718	217	0	930
21-23	67.9	4.167	930	0	930	637	124	0	930
ALL HOURS	68.8	4.587	7440	0	7440	5336	1716	13	7440

MONTH: JUN

00-02	72.4	2.764	900	0	900	880	457	0	900
03-05	72.0	2.805	900	0	900	867	420	0	900
06-08	73.4	2.948	900	0	900	882	589	6	900
09-11	75.7	2.673	900	0	900	894	812	35	900
12-14	76.0	2.653	900	0	900	894	820	71	900
15-17	75.6	2.615	900	0	900	893	783	49	900
18-20	74.1	2.659	900	0	900	892	667	10	900
21-23	73.0	2.629	900	0	900	887	546	0	900
ALL HOURS	74.0	3.082	7200	0	7200	7089	5094	171	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	73.0	2.072	930	0	930	927	561	0	930
03-05	72.7	2.108	930	0	930	924	536	0	930
06-08	74.0	2.402	930	0	930	926	689	4	930
09-11	76.5	1.938	930	0	930	930	896	58	930
12-14	76.7	2.040	930	0	930	930	890	77	930
15-17	75.9	2.388	930	0	930	930	837	55	930
18-20	74.3	2.453	928	0	928	928	727	10	928
21-23	73.3	2.075	927	0	927	927	623	0	927
ALL HOURS	74.6	2.663	7435	0	7435	7422	5759	204	7435

MONTH: AUG

00-02	73.5	2.301	930	0	930	927	681	3	930
03-05	73.3	2.363	930	0	930	923	640	1	930
06-08	74.2	2.573	930	0	930	925	725	18	930
09-11	76.7	2.442	930	0	930	929	872	95	930
12-14	77.2	2.395	930	0	930	930	884	129	930
15-17	76.4	2.767	930	0	930	929	841	108	930
18-20	74.7	2.437	930	0	930	930	755	10	930
21-23	73.8	2.148	930	0	930	930	722	3	930
ALL HOURS	75.0	2.849	7440	0	7440	7423	6120	367	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP

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HOURS	MEAN	STANDARD	TOTAL	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL	
LST		DEVIATION	OBS	LE 32	GE 50	GE 67	GE 73	GE 80	HOURS	
00-02	72.6	2.870	900	0	900	867	541	3	900	
03-05	72.4	3.118	900	0	900	864	499	3	900	
06-08	72.9	3.192	900	0	900	868	575	5	900	
09-11	75.6	2.784	900	0	900	893	785	50	900	
12-14	75.9	2.624	900	0	900	894	806	57	900	
15-17	75.2	2.706	900	0	900	895	762	28	900	
18-20	73.7	2.742	899	0	899	887	657	5	899	
21-23	73.0	2.795	899	0	899	882	582	1	899	
ALL										
HOURS	73.9	3.131	7198	0	7198	7050	5207	152	7198	
.....

MONTH: OCT

00-02	66.9	5.872	930	0	922	569	139	0	930	
03-05	66.1	6.285	930	0	908	523	113	0	930	
06-08	66.2	6.403	930	0	908	522	130	0	930	
09-11	69.8	5.798	930	0	926	686	387	2	930	
12-14	71.1	5.085	930	0	928	770	448	3	930	
15-17	70.5	5.006	930	0	930	755	402	0	930	
18-20	68.7	5.193	930	0	927	670	256	0	930	
21-23	67.5	5.443	930	0	923	600	170	0	930	
ALL										
HOURS	68.3	5.970	7440	0	7372	5095	2045	5	7440	
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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV

HOURLS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	62.2	7.516	900	0	826	345	21	0	900
03-05	61.4	7.936	900	0	796	293	19	0	900
06-08	61.3	8.201	900	0	788	291	19	0	900
09-11	64.5	7.678	900	0	846	457	87	0	900
12-14	66.5	7.046	900	0	879	540	186	0	900
15-17	66.0	6.805	900	0	883	507	136	0	900
18-20	63.9	7.237	900	0	855	407	58	0	900
21-23	62.7	7.481	900	0	830	364	31	0	900
ALL HOURS	63.6	7.752	7200	0	6703	3204	557	0	7200

MONTH: DEC

HOURLS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	55.3	9.992	930	22	661	84	6	0	930
03-05	54.4	10.386	930	27	638	85	4	0	930
06-08	54.0	10.728	930	31	627	94	3	0	930
09-11	57.6	10.488	930	15	713	196	27	0	930
12-14	60.4	9.683	928	9	768	297	52	0	928
15-17	60.0	9.186	930	8	788	275	22	0	930
18-20	57.6	9.404	930	18	733	163	3	0	930
21-23	56.3	9.696	930	18	694	106	4	0	930
ALL HOURS	56.9	10.206	7438	148	5622	1300	121	0	7438

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	64.3	9.775	10956	46	9888	5557	2505	6	10956
03-05	63.6	10.116	10956	60	9750	5312	2308	4	10956
06-08	64.1	10.673	10955	74	9681	5494	2877	33	10955
09-11	67.2	10.158	10956	37	10128	6741	4296	240	10956
12-14	68.5	9.247	10954	14	10385	7328	4711	342	10954
15-17	68.1	8.988	10956	12	10433	7199	4311	248	10956
18-20	66.1	9.325	10953	29	10169	6384	3391	35	10953
21-23	65.0	9.522	10952	31	9984	5858	2815	4	10952
ALL HOURS	65.9	9.902	87638	303	80418	49873	27214	912	87638

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	49.0	11.659	930	40	790	611	78	930
03-05	48.3	12.441	930	53	777	628	78	930
06-08	47.9	12.872	930	59	748	624	72	930
09-11	49.7	13.244	930	61	759	561	115	930
12-14	49.9	13.389	930	57	757	561	124	930
15-17	49.5	13.109	930	59	770	594	120	930
18-20	49.6	11.871	930	44	801	596	93	930
21-23	49.4	11.579	930	37	804	588	78	930
ALL HOURS	49.2	12.578	7440	410	6206	4763	758	7440

MONTH: FEB

00-02	52.7	10.396	846	19	768	458	89	846
03-05	52.2	10.923	846	26	757	457	92	846
06-08	51.9	11.645	846	43	744	454	93	846
09-11	53.4	12.578	846	40	743	386	152	846
12-14	53.1	12.797	846	40	732	403	166	846
15-17	52.7	12.204	846	37	736	422	142	846
18-20	52.9	11.043	846	18	755	430	117	846
21-23	52.9	10.444	846	18	763	443	98	846
ALL HOURS	52.7	11.562	6768	241	5998	3453	949	6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	54.9	9.278	930	10	882	424	132	930
03-05	54.5	9.408	930	13	883	441	119	930
06-08	54.6	9.827	930	17	877	426	128	930
09-11	55.9	10.686	930	19	868	372	219	930
12-14	55.1	10.865	930	15	866	424	193	930
15-17	54.6	10.679	930	22	863	443	177	930
18-20	55.2	9.819	930	10	880	410	156	930
21-23	55.3	9.200	930	6	889	406	141	930
ALL HOURS	55.0	10.020	7440	112	7008	3346	1265	7440

MONTH: APR

00-02	58.1	7.631	900	0	886	288	183	900
03-05	57.6	8.177	900	2	878	315	169	900
06-08	58.2	8.629	899	3	869	282	221	900
09-11	58.8	9.081	900	2	876	269	289	900
12-14	57.7	9.175	900	0	874	336	236	900
15-17	57.9	8.963	900	0	879	321	238	900
18-20	58.2	8.437	900	0	883	306	230	900
21-23	58.6	7.644	900	0	894	271	209	900
ALL HOURS	58.1	8.525	7199	7	7039	2388	1775	7199

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	64.4	5.318	930	0	930	60	500	930
03-05	64.2	5.280	930	0	930	65	497	930
06-08	65.1	5.429	930	0	930	61	545	930
09-11	65.1	6.222	930	0	930	80	545	930
12-14	64.0	6.769	930	0	930	115	464	930
15-17	63.9	6.866	930	0	930	130	495	930
18-20	64.1	6.292	930	0	930	102	501	930
21-23	64.3	5.746	930	0	930	76	498	930
ALL HOURS	64.4	6.062	7440	0	7440	689	4045	7440

MONTH: JUN

00-02	70.2	3.524	900	0	900	6	861	900
03-05	70.2	3.420	900	0	900	3	855	900
06-08	71.3	3.472	900	0	900	3	873	900
09-11	72.0	3.677	900	0	900	6	870	900
12-14	70.9	4.245	900	0	900	7	838	900
15-17	70.6	4.070	900	0	900	7	823	900
18-20	70.4	3.743	900	0	900	6	840	900
21-23	70.4	3.390	900	0	900	3	862	900
ALL HOURS	70.7	3.810	7200	0	7200	41	6822	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	70.5	2.901	930	0	930	0	902	930
03-05	70.6	2.892	930	0	930	0	900	930
06-08	71.7	2.954	930	0	930	0	913	930
09-11	72.8	2.800	930	0	930	0	925	930
12-14	71.8	2.901	930	0	930	0	916	930
15-17	71.3	2.918	930	0	930	0	914	930
18-20	70.8	2.974	928	0	928	0	907	928
21-23	70.6	2.920	927	0	927	0	907	927
ALL HOURS	71.3	3.081	7435	0	7435	0	7284	7435

MONTH: AUG

00-02	71.3	3.175	930	0	930	0	897	930
03-05	71.3	3.199	930	0	930	0	897	930
06-08	72.1	3.284	930	0	930	0	909	930
09-11	73.4	3.062	930	0	930	0	918	930
12-14	72.7	3.334	930	0	930	0	912	930
15-17	72.1	3.433	930	0	930	0	903	930
18-20	71.5	3.201	930	0	930	0	898	930
21-23	71.3	3.163	930	0	930	0	889	930
ALL HOURS	72.0	3.349	7440	0	7440	0	7223	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	70.6	3.640	900	0	900	3	835	900
03-05	70.6	3.640	900	0	900	3	835	900
06-08	71.1	3.770	900	0	900	3	848	900
09-11	72.4	3.542	900	0	900	3	874	900
12-14	71.1	3.679	900	0	900	3	849	900
15-17	70.4	3.778	900	0	900	4	828	900
18-20	70.4	3.622	899	0	899	3	834	899
21-23	70.5	3.497	899	0	899	2	833	899
ALL HOURS	70.9	3.765	7198	0	7198	24	6736	7198

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	64.2	7.077	930	0	930	120	552	930
03-05	63.7	7.567	930	0	925	136	541	930
06-08	63.8	7.765	930	0	922	155	534	930
09-11	65.4	7.743	930	0	924	96	592	930
12-14	64.8	7.527	930	0	926	105	558	930
15-17	64.1	7.594	930	0	927	122	541	930
18-20	64.4	6.912	930	0	929	97	536	930
21-23	64.4	6.640	930	0	930	103	541	930
ALL HOURS	64.3	7.414	7440	0	7413	934	4395	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	59.6	9.019	00	0	886	260	349	900
03-05	59.0	9.616	900	2	873	266	324	900
06-08	58.7	10.019	900	3	865	277	331	900
09-11	60.2	10.142	900	3	870	227	408	900
12-14	60.1	10.121	900	6	864	235	372	900
15-17	59.6	9.813	900	4	875	253	327	900
18-20	59.8	9.092	900	0	886	266	354	900
21-23	59.6	9.054	900	0	882	264	346	900
ALL HOURS	59.6	9.653	7200	18	7001	2048	2811	7200

MONTH: DEC

00-02	52.1	12.433	930	42	812	467	123	928
03-05	51.3	13.074	930	64	799	483	110	928
06-08	50.9	13.472	930	67	777	486	113	928
09-11	52.7	13.983	930	60	787	448	195	928
12-14	53.3	13.413	928	45	801	435	203	928
15-17	52.9	12.699	930	34	810	465	179	928
18-20	53.1	11.935	930	32	832	446	152	928
21-23	52.7	12.012	930	31	832	454	135	928
ALL HOURS	52.4	12.935	7438	375	6450	3684	1210	7438

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	61.5	11.119	10956	111	10544	2697	5501	10956
03-05	61.2	11.573	10956	160	10482	2797	5417	10956
06-08	61.5	12.164	10955	192	10392	2771	5580	10955
09-11	62.7	12.263	10956	185	10417	2448	6102	10956
12-14	62.1	12.037	10954	163	10410	2624	5831	10954
15-17	61.7	11.816	10956	156	10450	2761	5687	10956
18-20	61.7	11.144	10953	104	10553	2662	5618	10953
21-23	61.7	10.953	10952	92	10580	2610	5537	10952
ALL HOURS	61.8	11.651	87638	1163	83828	21370	45273	87638

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	98.9	95.6	91.0	79.2	57.0	22.9	78.7	930
03-05	100.0	100.0	99.7	98.2	95.4	90.4	80.5	64.3	27.7	79.7	930
06-08	100.0	100.0	100.0	97.8	94.3	89.2	80.5	64.9	30.5	79.9	930
09-11	100.0	100.0	98.7	94.4	85.1	74.0	55.8	36.5	15.5	70.4	930
12-14	100.0	98.7	94.7	84.2	67.4	45.4	25.6	13.9	5.1	57.8	930
15-17	100.0	98.6	94.4	83.5	65.2	43.3	25.5	11.0	3.3	56.8	930
18-20	100.0	99.9	99.1	97.0	90.4	75.1	51.4	31.0	9.7	69.5	930
21-23	100.0	100.0	99.8	98.3	95.8	88.3	69.6	46.7	19.1	75.9	930
ALL HOURS	100.0	99.7	98.3	94.0	86.1	74.6	58.5	40.6	16.7	71.1	7440

MONTH: FEB

00-02	100.0	100.0	100.0	99.1	97.5	90.5	78.6	55.3	21.5	78.6	846
03-05	100.0	100.0	100.0	98.9	97.0	91.7	81.4	65.6	26.6	80.3	846
06-08	100.0	100.0	99.9	98.9	95.0	90.1	81.9	68.0	31.9	80.6	846
09-11	100.0	100.0	97.8	93.7	86.9	74.1	54.1	31.7	11.6	69.4	846
12-14	100.0	99.6	92.2	82.9	64.8	43.5	23.2	8.9	2.6	56.3	846
15-17	100.0	100.0	94.0	80.3	60.8	41.8	23.3	7.7	2.0	55.6	846
18-20	100.0	100.0	99.5	95.5	85.3	69.0	51.4	25.5	6.1	67.7	846
21-23	100.0	100.0	100.0	99.6	95.7	87.2	69.5	45.0	15.6	75.2	846
ALL HOURS	100.0	100.0	97.9	93.6	85.4	73.5	57.9	38.5	14.7	70.5	6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	100.0	99.2	96.9	93.9	77.5	47.1	18.1	77.5	930
03-05	100.0	100.0	100.0	99.1	97.3	94.2	85.1	59.4	21.2	79.7	930
06-08	100.0	100.0	100.0	99.4	97.3	92.9	83.9	61.5	22.2	79.8	930
09-11	100.0	100.0	98.9	94.4	86.3	68.3	41.7	17.8	5.2	65.5	930
12-14	100.0	99.9	95.4	83.8	60.5	33.9	14.6	6.5	2.3	54.1	930
15-17	100.0	99.1	94.7	81.3	57.4	35.5	17.5	6.6	2.5	53.9	930
18-20	100.0	99.8	98.7	96.0	86.7	67.4	42.2	19.0	5.4	65.8	930
21-23	100.0	100.0	100.0	99.5	96.6	86.0	62.8	37.4	12.9	73.7	930
ALL HOURS	100.0	99.9	98.5	94.1	84.9	71.5	53.2	31.9	11.2	68.7	7440

MONTH: APR

00-02	100.0	100.0	100.0	100.0	98.6	93.7	77.9	44.8	15.3	77.3	900
03-05	100.0	100.0	100.0	99.6	97.6	94.8	84.0	58.7	25.2	80.1	900
06-08	100.0	100.0	100.0	98.9	96.3	91.8	81.8	56.1	23.7	78.9	899
09-11	100.0	100.0	98.7	93.1	79.8	57.8	28.2	9.4	2.0	61.5	900
12-14	100.0	100.0	95.8	79.0	50.2	26.3	10.2	3.9	.8	51.2	900
15-17	100.0	99.8	96.1	80.6	54.3	31.7	12.2	4.4	.9	52.6	900
18-20	100.0	100.0	99.2	95.4	83.3	62.6	35.0	13.8	3.4	63.8	900
21-23	100.0	100.0	100.0	100.0	96.9	86.7	64.0	32.6	9.4	73.3	900
ALL HOURS	100.0	100.0	98.7	93.3	82.1	68.1	49.2	27.9	10.1	67.3	7199

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	100.0	100.0	99.9	97.2	79.8	44.0	11.6	77.8	930
03-05	100.0	100.0	100.0	100.0	99.8	98.4	93.1	61.6	21.1	81.8	930
06-08	100.0	100.0	100.0	100.0	99.0	96.6	84.3	51.4	16.6	79.3	930
09-11	100.0	100.0	99.5	97.3	84.3	58.6	24.1	4.5	1.1	61.6	930
12-14	100.0	100.0	98.8	84.0	53.3	24.9	8.4	2.2	.4	51.8	930
15-17	100.0	100.0	98.2	81.0	58.1	29.8	10.8	2.5	.4	52.5	930
18-20	100.0	100.0	99.8	95.7	80.4	62.3	32.5	10.4	1.7	62.9	930
21-23	100.0	100.0	100.0	99.8	97.4	84.3	59.7	28.6	6.5	72.3	930
ALL HOURS	100.0	100.0	99.5	94.7	84.0	69.0	49.1	25.6	7.4	67.5	7440

MONTH: JUN

00-02	100.0	100.0	100.0	100.0	100.0	99.4	90.1	48.8	12.9	79.9	900
03-05	100.0	100.0	100.0	100.0	100.0	100.0	97.1	65.9	19.1	83.0	900
06-08	100.0	100.0	100.0	100.0	100.0	99.3	93.9	51.9	13.6	80.8	900
09-11	100.0	100.0	100.0	99.7	97.9	82.6	40.6	7.1	1.0	67.2	900
12-14	100.0	100.0	99.8	97.0	81.1	41.6	14.7	4.1	1.0	58.6	900
15-17	100.0	100.0	99.7	95.9	80.7	49.6	19.3	5.2	1.4	60.0	900
18-20	100.0	100.0	100.0	99.2	94.2	80.3	46.9	15.2	3.2	68.7	900
21-23	100.0	100.0	100.0	100.0	99.3	95.8	77.3	34.7	6.9	76.4	900
ALL HOURS	100.0	100.0	99.9	99.0	94.2	81.1	60.0	29.1	7.4	71.8	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	100.0	100.0	99.1	82.3	38.9	10.0	77.9	930
03-05	100.0	100.0	100.0	100.0	100.0	99.9	87.8	48.2	16.2	80.4	930
06-08	100.0	100.0	100.0	100.0	100.0	99.5	84.9	41.9	13.2	78.9	930
09-11	100.0	100.0	100.0	100.0	98.9	78.6	37.8	6.1	.4	66.7	930
12-14	100.0	100.0	100.0	99.9	86.5	42.3	11.6	2.0	.3	59.0	930
15-17	100.0	100.0	100.0	99.0	86.3	50.4	22.0	7.5	1.9	61.4	930
18-20	100.0	100.0	100.0	99.7	96.9	80.3	47.5	18.6	5.3	69.6	928
21-23	100.0	100.0	100.0	100.0	99.8	95.8	72.6	29.6	7.2	75.4	927
ALL HOURS	100.0	100.0	100.0	99.8	96.0	80.7	55.8	24.1	6.8	71.1	7435

MONTH: AUG

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	100.0	100.0	99.6	88.6	44.6	16.5	79.8	930
03-05	100.0	100.0	100.0	100.0	100.0	100.0	94.4	55.8	24.7	82.3	930
06-08	100.0	100.0	100.0	100.0	100.0	99.5	91.5	50.4	20.4	81.1	930
09-11	100.0	100.0	100.0	100.0	99.4	86.6	49.0	12.0	2.6	69.5	930
12-14	100.0	100.0	100.0	99.7	90.4	49.4	21.6	5.7	1.9	61.6	930
15-17	100.0	100.0	100.0	99.2	88.4	58.2	27.4	9.1	3.3	63.1	930
18-20	100.0	100.0	100.0	100.0	98.1	87.0	54.4	21.2	7.3	71.4	930
21-23	100.0	100.0	100.0	100.0	99.9	96.7	79.9	34.5	11.5	77.2	930
ALL HOURS	100.0	100.0	100.0	99.9	97.0	84.6	63.4	29.2	11.0	73.2	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	100.0	100.0	99.1	92.0	56.7	14.1	81.2	900
03-05	100.0	100.0	100.0	100.0	100.0	99.9	96.0	70.6	25.2	83.8	900
06-08	100.0	100.0	100.0	100.0	100.0	99.9	95.9	70.0	23.2	83.4	900
09-11	100.0	100.0	100.0	100.0	99.4	90.8	57.1	14.3	2.9	70.9	900
12-14	100.0	100.0	100.0	99.4	88.0	43.6	18.9	5.2	1.6	60.3	900
15-17	100.0	100.0	100.0	98.6	83.9	48.4	24.4	9.6	2.7	61.4	900
18-20	100.0	100.0	100.0	100.0	98.3	85.5	57.1	21.5	5.5	71.5	899
21-23	100.0	100.0	100.0	100.0	99.9	98.1	82.5	37.4	8.6	77.6	899
ALL HOURS	100.0	100.0	100.0	99.7	96.2	83.2	65.5	35.6	10.5	73.8	7198

MONTH: OCT

00-02	100.0	100.0	100.0	99.7	99.5	95.9	87.5	47.2	8.7	78.7	930
03-05	100.0	100.0	100.0	99.9	99.2	97.1	88.9	66.1	15.5	81.0	930
06-08	100.0	100.0	100.0	99.9	98.8	95.9	87.2	61.3	17.4	80.4	930
09-11	100.0	100.0	99.8	98.1	92.9	75.1	42.0	12.4	2.5	67.0	930
12-14	100.0	100.0	98.8	92.8	71.7	34.6	12.3	3.7	1.7	55.9	930
15-17	100.0	100.0	98.1	90.5	67.5	36.2	14.5	4.1	1.2	55.7	930
18-20	100.0	100.0	99.9	98.9	93.8	76.8	42.8	13.2	2.6	67.5	930
21-23	100.0	100.0	100.0	99.9	99.6	93.3	75.3	27.8	4.4	74.9	930
ALL HOURS	100.0	100.0	99.6	97.5	90.4	75.6	56.3	29.5	6.7	70.1	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	100.0	98.9	96.9	87.3	57.9	22.0	80.5	900
03-05	100.0	100.0	100.0	99.8	98.7	96.1	87.4	66.7	30.2	82.2	900
06-08	100.0	100.0	100.0	100.0	98.2	95.3	85.9	65.8	31.6	81.8	900
09-11	100.0	100.0	99.9	97.7	91.1	78.1	52.0	26.6	8.8	70.0	900
12-14	100.0	99.9	97.6	89.7	75.9	46.7	20.4	7.6	2.1	58.6	900
15-17	100.0	99.8	97.0	91.0	73.7	47.1	22.6	9.2	3.0	58.9	900
18-20	100.0	100.0	99.9	98.8	95.4	82.3	56.7	28.1	6.7	71.3	900
21-23	100.0	100.0	100.0	99.8	98.0	94.8	77.4	46.8	16.1	77.6	900
ALL HOURS	100.0	100.0	99.3	97.1	91.2	79.7	61.2	38.6	15.1	72.6	7200

MONTH: DEC

00-02	100.0	100.0	99.7	98.4	95.3	91.0	81.7	61.6	24.9	79.4	930
03-05	100.0	100.0	99.9	98.2	95.1	89.6	82.8	65.9	33.9	80.5	930
06-08	100.0	100.0	100.0	98.7	94.6	88.3	80.8	67.3	36.0	80.6	930
09-11	100.0	100.0	99.0	94.3	86.6	76.1	57.8	33.8	13.5	70.4	930
12-14	100.0	99.4	95.5	88.7	73.5	46.9	23.8	9.4	3.1	58.5	928
15-17	100.0	99.8	96.2	88.7	70.1	44.5	24.5	11.3	4.7	58.5	930
18-20	100.0	100.0	99.8	97.4	92.8	79.2	56.2	31.1	10.4	71.3	930
21-23	100.0	100.0	99.8	99.1	95.5	89.0	74.3	48.9	18.3	76.8	930
ALL HOURS	100.0	99.9	98.7	95.4	87.9	75.6	60.3	41.2	18.1	72.0	7438

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	100.0	99.6	98.5	95.6	83.6	50.3	16.5	78.9	10956
03-05	100.0	100.0	100.0	99.5	98.3	96.0	88.2	62.3	23.9	81.2	10956
06-08	100.0	100.0	100.0	99.5	97.8	94.9	86.0	59.1	23.3	80.5	10955
09-11	100.0	100.0	99.4	96.9	90.7	75.0	45.0	17.6	5.6	67.5	10956
12-14	100.0	99.8	97.4	90.1	72.0	39.9	17.1	6.1	1.9	57.0	10954
15-17	100.0	99.8	97.4	89.2	70.6	43.0	20.3	7.3	2.3	57.5	10956
18-20	100.0	100.0	99.7	97.8	91.3	75.7	47.8	20.7	5.6	68.4	10953
21-23	100.0	100.0	100.0	99.7	97.9	91.3	72.1	37.4	11.4	75.5	10952
ALL HOURS	100.0	99.9	99.2	96.5	89.6	76.4	57.5	32.6	11.3	70.8	87638

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	FFFFFFFFF
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	FFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPPP	AA AA	RRRRRRRR	TT	FFFFFFF
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	FFFFFFF
PP	AAAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	1020.2	1019.3	1017.8	1016.7	1016.0	1016.2	1017.9	1016.6	1015.9	1017.1	1017.9	1020.4	1017.7
	SD	4.453	5.182	5.553	3.779	2.820	2.607	2.179	2.389	2.649	3.180	3.893	4.053	4.000
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0400	MEAN	1019.7	1018.6	1016.8	1015.9	1015.3	1015.6	1017.1	1015.8	1015.2	1016.5	1017.4	1020.0	1017.0
	SD	4.550	5.212	5.522	3.772	2.801	2.617	2.141	2.401	2.630	3.269	3.856	4.107	4.045
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0700	MEAN	1020.4	1019.4	1018.0	1017.2	1016.5	1016.7	1018.1	1016.8	1016.2	1017.5	1018.3	1020.7	1018.0
	SD	4.637	5.311	5.558	3.858	2.878	2.658	2.133	2.399	2.647	3.309	3.901	4.177	4.036
	TOT OBS	310	282	310	299	310	300	310	310	300	310	300	310	3651
1000	MEAN	1022.0	1020.8	1019.2	1018.0	1017.1	1017.4	1018.9	1017.7	1017.2	1018.5	1019.5	1022.1	1019.0
	SD	4.600	5.379	5.528	3.915	2.843	2.615	2.169	2.408	2.633	3.350	3.851	4.175	4.140
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1300	MEAN	1020.2	1019.4	1017.9	1017.0	1016.1	1016.5	1018.2	1016.9	1016.0	1016.8	1017.7	1020.2	1017.8
	SD	4.368	5.174	5.355	3.792	2.797	2.534	2.118	2.395	2.505	3.203	3.711	4.036	3.913
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1600	MEAN	1019.0	1017.9	1016.4	1015.4	1014.6	1015.2	1016.9	1015.4	1014.5	1015.6	1016.6	1019.2	1016.4
	SD	4.149	5.026	5.124	3.654	2.673	2.479	2.113	2.375	2.449	3.152	3.626	3.895	3.839
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1900	MEAN	1019.9	1018.6	1016.9	1015.8	1014.9	1015.6	1017.3	1015.8	1015.2	1016.5	1017.6	1020.1	1017.0
	SD	4.159	5.081	5.290	3.698	2.671	2.521	2.216	2.417	2.502	3.203	3.629	3.968	3.949
	TOT OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
2200	MEAN	1020.8	1019.6	1018.1	1017.1	1016.3	1016.8	1018.3	1017.0	1016.6	1017.8	1018.5	1020.9	1018.2
	SD	4.253	5.214	5.521	3.836	2.758	2.500	2.109	2.375	2.601	3.216	3.750	4.136	3.971
	TOT OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
ALL HOURS	MEAN	1020.3	1019.2	1017.6	1016.6	1015.9	1016.3	1017.8	1016.5	1015.8	1017.0	1017.9	1020.4	1017.6
	SD	4.475	5.261	5.498	3.876	2.891	2.656	2.239	2.501	2.699	3.340	3.864	4.148	4.060
	TOT OBS	2480	2256	2480	2399	2480	2400	2478	2480	2400	2480	2400	2480	29213

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	30.12	30.10	30.05	30.02	30.00	30.01	30.06	30.02	30.00	30.03	30.06	30.13	30.05
	SD	.132	.153	.164	.111	.083	.077	.065	.071	.078	.094	.115	.120	.118
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0400	MEAN	30.11	30.08	30.02	30.00	29.98	29.99	30.03	29.99	29.98	30.01	30.04	30.12	30.03
	SD	.135	.154	.163	.111	.083	.077	.063	.071	.078	.097	.114	.121	.119
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0700	MEAN	30.13	30.10	30.06	30.04	30.01	30.02	30.06	30.02	30.01	30.05	30.07	30.14	30.06
	SD	.137	.156	.164	.115	.085	.079	.063	.071	.079	.098	.115	.123	.119
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1000	MEAN	30.18	30.14	30.09	30.06	30.03	30.04	30.09	30.05	30.03	30.07	30.10	30.18	30.09
	SD	.136	.159	.163	.116	.084	.077	.064	.071	.078	.099	.114	.123	.122
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1300	MEAN	30.13	30.10	30.06	30.03	30.00	30.02	30.07	30.03	30.00	30.02	30.05	30.13	30.05
	SD	.129	.153	.158	.112	.083	.075	.063	.071	.074	.095	.110	.119	.116
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1600	MEAN	30.09	30.06	30.01	29.98	29.96	29.98	30.03	29.98	29.96	29.99	30.02	30.09	30.01
	SD	.123	.148	.151	.108	.079	.073	.063	.070	.072	.093	.107	.115	.113
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1900	MEAN	30.12	30.08	30.03	29.99	29.97	29.99	30.04	30.00	29.98	30.01	30.05	30.12	30.03
	SD	.123	.150	.156	.109	.079	.074	.066	.071	.074	.094	.107	.117	.117
	TOT OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
2200	MEAN	30.14	30.11	30.06	30.03	30.01	30.02	30.07	30.03	30.02	30.05	30.07	30.15	30.06
	SD	.125	.154	.163	.113	.081	.074	.063	.070	.077	.095	.111	.122	.117
	TOT OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
ALL HOURS	MEAN	30.13	30.09	30.05	30.02	30.00	30.01	30.05	30.02	30.00	30.03	30.06	30.13	30.05
	SD	.132	.155	.162	.115	.085	.078	.066	.074	.080	.099	.114	.122	.120
	TOT OBS	2480	2256	2480	2400	2480	2400	2478	2480	2400	2480	2400	2480	29214

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90

HOURLS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	30.10	30.08	30.03	30.00	29.98	29.99	30.04	30.00	29.98	30.01	30.04	30.11	30.03
	SD	.132	.153	.164	.111	.083	.077	.065	.071	.078	.094	.115	.120	.118
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0400	MEAN	30.09	30.06	30.00	29.98	29.96	29.97	30.01	29.97	29.96	29.99	30.02	30.10	30.01
	SD	.135	.154	.163	.111	.083	.077	.063	.071	.078	.097	.114	.121	.119
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0700	MEAN	30.11	30.08	30.04	30.02	29.99	30.00	30.04	30.00	29.99	30.03	30.05	30.12	30.04
	SD	.137	.156	.164	.115	.085	.079	.063	.071	.079	.098	.115	.123	.119
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1000	MEAN	30.16	30.12	30.07	30.04	30.01	30.02	30.07	30.03	30.01	30.05	30.08	30.16	30.07
	SD	.136	.159	.163	.116	.084	.077	.064	.071	.078	.099	.114	.123	.122
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1300	MEAN	30.11	30.08	30.04	30.01	29.98	30.00	30.05	30.01	29.98	30.00	30.03	30.11	30.03
	SD	.129	.153	.158	.112	.083	.075	.063	.071	.074	.095	.110	.119	.116
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1600	MEAN	30.07	30.04	29.99	29.96	29.94	29.96	30.01	29.96	29.94	29.97	30.00	30.07	29.99
	SD	.123	.148	.151	.108	.079	.073	.063	.070	.072	.093	.107	.115	.113
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1900	MEAN	30.10	30.06	30.01	29.97	29.95	29.97	30.02	29.98	29.96	29.99	30.03	30.10	30.01
	SD	.123	.150	.156	.109	.079	.074	.066	.071	.074	.094	.107	.117	.117
	TOT OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
2200	MEAN	30.12	30.09	30.04	30.01	29.99	30.00	30.05	30.01	30.00	30.03	30.05	30.13	30.04
	SD	.126	.154	.163	.113	.081	.074	.063	.070	.077	.095	.111	.122	.117
	TOT OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
ALL HOURLS	MEAN	30.11	30.07	30.03	30.00	29.98	29.99	30.03	30.00	29.98	30.01	30.04	30.11	30.03
	SD	.132	.155	.162	.115	.085	.078	.066	.074	.080	.099	.114	.122	.120
	TOT OBS	2480	2256	2480	2400	2480	2400	2478	2480	2400	2480	2400	2480	29214

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	GGGGGG
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	GGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPPP	AA AA	RRRRRRRR	TT	GG
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	GG GGG
PP	AAAAAAAAA	RR RR	TT	GG GGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGG
PP	AA AA	RR RR	TT	GGGGGG

G - 1 - 1

PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.2			930	.2			930	.4			930	.4			930
CATEGORY B	1.6	.3		1012	2.5	.5	.2	1052	3.1	.8	.2	1140	3.6	.5		1125

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.1	.1		930	1.6			930	.5			930	.2			930
CATEGORY B	5.2	2.1	1.1	1025	4.4	1.7	.5	1003	2.3	1.1	.4	1005	1.9	.6		1025

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.8	.0		4650	.6	.0		7440
CATEGORY B	3.7	1.2	.4	5298	3.1	.9	.3	8387

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.8			846	1.3			846	.8			846	1.7	.4		846
CATEGORY B	2.8	1.2	.2	904	3.6	1.8	.2	949	2.6	.7	.1	1044	4.7	2.6	.8	998

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.8	.2		846	1.5	.1		846	1.2	.1		846	.8			846
CATEGORY B	5.4	2.8	.9	900	4.6	2.0	.4	910	2.9	1.1	.3	895	3.0	1.1	.2	920

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.4	.2		4230	1.2	.1		6768
CATEGORY B	4.0	1.8	.5	4747	3.7	1.6	.4	7520

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.8			930	.8			930	1.3	.3		930	2.3	.1		930
CATEGORY B	3.9	1.2	.7	1000	4.1	1.7	.5	1023	3.5	1.6	.4	1101	6.7	3.1	.6	1024

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	2.4	.2		930	1.8	.3		930	1.0	.2		930	.6	.1		930
CATEGORY B	7.6	3.3	.9	1000	6.3	2.0	.7	986	4.3	1.7	.5	987	4.6	2.2	.4	994

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.7	.2		4650	1.4	.2		7440
CATEGORY B	5.6	2.4	.6	5098	5.1	2.1	.6	8115

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (BOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.6			900	.3			900	.3			900	.9	.2		900
CATEGORY B	2.1	.8	.2	932	1.7	.4	.1	960	1.8	.5	.2	984	3.4	1.0	.3	937

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.2			900	.7	.1		900	.9	.1		900	.6	.1		900
CATEGORY B	4.4	1.8	.3	933	5.1	1.6	.4	923	3.4	1.4	.2	924	2.0	.9	.1	935

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.8	.1		4500	.7	.1		7200
CATEGORY B	3.6	1.3	.3	4701	3.0	1.0	.2	7528

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				930	.3			930				930				930
CATEGORY B	.1			959	.7	.3	.2	962				971	.7			958

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1			930	.1			930	.1			930				930
CATEGORY B	.9	.3	.3	960	1.2	.2	.1	987	1.1	.2	.2	987	.5	.3	.2	960

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1			4650	.1			7440
CATEGORY B	.8	.1	.1	4863	.7	.2	.1	7744

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				900	.2	.2	.1	900				900				900
CATEGORY B	.2	.2		916	.5	.2	.2	944	.1			956	.4	.1		964

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.2			900	.2	.1		900	.4	.1		900	.1			900
CATEGORY B	.7	.3	.1	978	2.2	1.2	.6	1023	2.3	1.2	.5	1018	.3	.1		956

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.2	.0		4500	.2	.1	.0	7200
CATEGORY B	1.2	.6	.2	4939	.9	.4	.2	7755

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1			930				930				930	.1			930
CATEGORY B	.1			954	.3	.2		977	.4	.2		984	.7	.5		998

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1			930	.8	.2	.1	930	.5			928	.1			927
CATEGORY B	.9	.3	.1	1057	3.2	1.7	1.1	1114	2.9	1.2	.6	1082	.4	.1		971

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.3	.0	.0	4648	.2	.0	.0	7435
CATEGORY B	1.7	.8	.4	5235	1.2	.6	.2	8137

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1			930	.4			930	.1			930	.1			930
CATEGORY B	.7	.2		968	.5	.1		957	.7	.4		969	.5	.3		975

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1			930	.8	.1		930	.4			930	.1			930
CATEGORY B	1.1	.3	.2	1011	2.4	1.1	.2	1071	2.1	1.2	.3	1056	.6	.1		992

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.3	.0		4650	.3	.0		7440
CATEGORY B	1.4	.7	.1	5082	1.1	.5	.1	7999

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.2			900	.2			900	.2			900	.1			900
CATEGORY B	.7	.3		917	.4	.3		935	.2	.2	.1	951	1.4	.5	.2	981

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				900	.4	.1		900				900	.6	.1		900
CATEGORY B	1.9	.8	.1	1019	1.6	.6	.3	1015	1.2	.6	.1	995	.7	.5	.1	935

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.2	.0		4500	.2	.0		7200
CATEGORY B	1.3	.5	.2	4961	1.0	.5	.1	7748

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				930				930				930				930
CATEGORY B	.1			949	.2			957				986	.4			980

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1			930				930	.1			930				930
CATEGORY B	1.0	.4	.2	974	.5	.1		964	.1			946	.2			953

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.0			4650	.0			7440
CATEGORY B	.4	.1	.0	4850	.3	.1	.0	7709

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.4			900	.2			900	.3			900	.8			900
CATEGORY B	.7	.2		967	.6			973	1.3	.1		1027	3.2	1.1		1001

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.4			900	.1			900				900				900
CATEGORY B	3.1	.6		962	2.7	.4		963	.9	.1		966	1.1	.1		949

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.3			4500	.3			7200
CATEGORY B	2.2	.5		4919	1.7	.3		7808

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				930				930	.2			930	.3			930
CATEGORY B	1.1			978	.5	.3		995	1.4	.7		1023	2.9	.7	.1	1023

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.3			930	.1			930	.1			930				930
CATEGORY B	5.3	1.2		1010	3.6	.6		988	2.3	.5	.1	977	2.3	.6		977

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.2			4650	.1			7440
CATEGORY B	3.1	.7	.0	5021	2.4	.6	.0	7971

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: AUG 80 - JUL 90
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.3			10956	.3	.0	.0	10956	.3	.0		10956	.5	.1		10956
CATEGORY B	1.2	.4	.1	11456	1.3	.5	.1	11684	1.3	.5	.1	12136	2.4	.9	.2	11964

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.6	.0		10956	.7	.1	.0	10956	.4	.0		10954	.3	.0		10953
CATEGORY B	3.1	1.2	.3	11829	3.1	1.1	.4	11947	2.1	.9	.3	11838	1.5	.6	.1	11567

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.5	.1	.0	54778	.4	.0	.0	87643
CATEGORY B	2.4	.9	.2	59714	2.0	.7	.2	94421

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	HH	HH
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPP	AA AA	RRRRRRRR	TT	HHHHHHHH	HHHHHHHH
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	HHHHHHHH	HHHHHHHH
PP	AAAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

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PART B

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (****) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: JAN 42 - JUL 90

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1942	217	196	80	8							****	78	579
1943	84	134	52	3						21	43	130	467
1944	148	21	23	14						1	32	185	424
1945	137	62									72	154	425
1946	96	****	13									21	130
1947	32	253	95			****					30	62	472
1948	171	36	9								5	31	252
1949	36	6	23					****			67	36	168
1950		42	46	43							112	201	444
1951	128	117	24	8							85	50	412
1952	76	60	16	10						12	25	152	351
1953	118	55	8	9						8	35	113	346
1954	89	46	114							5	52	167	473
1955	162	84	58							3	40	113	460
1956	242	33	55	4							93	61	488
1957	60	13	32							21	12	151	289
1958	306	319	58									119	802
1959	191	7	64	8							50	114	434
1960	147	142	130	3					****		8	209	639
1961	201	69	19	12							16	120	437
1962	160	44	66	7						1	72	211	561
1963	192	198	29							3	67	325	814
1964	229	222	32	4						9	9	69	574
1965	150	80	77								36	135	478
1966	256	156	57	5						3	64	147	688
1967	95	143	16								46	74	374

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1968	149	240	124		10	84	215	822
1969	164	149	172			96	186	767
1970	329	186	63			114	97	789
1973	152	180	8	12	3	13	168	536
1974		112	3	3		17	121	256
1975	61	43	41	7		79	169	400
1976	240	93	9		9	101	194	646
1977	418	206	19	4	17	39	172	875
1978	293	297	94	1			68	753
1979	222	167	37			35	83	544
1980	95	216	51	2		44	205	613
1981	410	109	80			43	149	791
1982	140	13	25		6	14	78	276
1983	198	131	91	17		30	155	622
1984	229	103	63	10		62	58	525
1985	281	106	15	6		4	214	626
1986	153	65	88	7			46	359
1987	169	82	37	63	4	43	94	492
1988	211	190	82	10		3	91	587
1989	26	93	37		12	23	270	461
1990	42	19	7	3				71
.....								
MEAN	163	116	49	6	3	42	131	
SD	96.33	80.22	38.23	11.19	5.62	32.62	66.05	
*****SPL 30YR SUMMATION (1951 -1980)*****								
MEAN	175	131	52	3	3	47	143	
SD	92.47	84.16	42.08	4.04	5.70	33.19	60.77	

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 747880

STATION NAME: MACDILL AFB/TAMPA FL
LST TO UTC: + 5

PERIOD OF RECORD: JAN 42 - JUL 90

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1942	29	21	107	226	429	536	659	624	555	374	****	122	3682
1943	77	40	162	240	486	552	569	592	522	279	113	95	3727
1944	28	166	220	333	439	595	600	619	599	305	135	49	4088
1945	13	116	282	366	407	555	562	574	542	371	162	33	3983
1946	81	****	153	274	472	498	565	575	506	408	320	135	3987
1947	203	5	35	374	436	****		514	469	384	204	91	2715
1948	21	117	270	320	462	554	558	564	525	348	319	187	4245
1949	141	178	150	283	449	486	577	****	510	450	72	98	3394
1950	205	117	139	158	436	547	517	540	459	381	123	11	3633
1951	40	49	142	194	415	555	603	656	583	411	123	137	3908
1952	107	54	166	210	465	614	592	571	499	266	113	30	3687
1953	43	64	198	225	492	510	563	533	479	298	131	100	3636
1954	57	63	123	359	375	535	550	603	520	311	77	26	3599
1955	41	70	158	287	449	468	547	606	575	361	142	50	3754
1956	9	108	106	188	466	504	556	592	477	292	135	154	3587
1957	105	149	118	290	461	539	567	551	521	295	192	39	3827
1958	1	8	59	230	413	564	600	578	586	340	283	61	3723
1959	44	148	93	269	465	524	572	544	505	471	169	40	3844
1960	56	36	73	277	373	505	577	579	****	423	217	39	3155
1961	11	101	217	130	391	486	550	564	535	376	204	122	3687
1962	48	110	109	213	429	463	615	580	518	368	45	37	3535
1963	22	7	155	241	392	498	550	548	467	308	82	8	3278
1964	10	4	119	289	394	518	506	545	470	247	164	105	3371
1965	34	60	121	262	410	457	458	517	489	292	118	23	3241
1966	23	29	57	162	401	412	540	525	458	342	99	27	3075
1967	64	28	132	271	378	460	508	485	435	273	98	123	3255

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1968	29	4	57	271	366	448	503	555	483	352	124	38	3230
1969	19	13	25	243	367	537	562	516	455	375	59	4	3175
1970	7	8	73	244	342	443	546	565	500	345	81	37	3191

1973	77	17	210	213	396	495	535	521	524	387	245	57	3677
1974	225	62	221	242	419	464	500	584	578	321	180	52	3848
1975	107	133	167	292	511	526	562	566	510	415	206	50	4045

1976	16	78	254	256	413	469	529	528	450	225	57	34	3309
1977	1	10	196	237	408	547	538	506	480	249	156	39	3367
1978	19		73	259	453	529	513	527	512	354	256	124	3619
1979	20	43	109	331	432	584	606	509	467	307	187	77	3672
1980	65	20	174	203	436	567	544	580	568	359	158	15	3689

1981		34	46	285	352	554	595	531	477	392	128	67	3461
1982	75	149	201	279	396	509	564	542	484	341	223	180	3943
1983	30	20	52	152	357	472	600	609	507	449	122	95	3465
1984	40	51	105	163	383	460	508	535	472	377	108	144	3346
1985	27	88	156	234	427	528	527	542	473	465	314	65	3846

1986	17	81	133	149	399	490	550	539	534	388	347	112	3739
1987	24	41	93	97	411	568	574	592	503	201	163	78	3345
1988	25	27	103	156	358	559	630	635	594	372	276	110	3845
1989	151	141	218	268	444	532	600	591	547	376	165	19	4052
1990	146	173	238	258	468	572	557						2412

MEAN	56	66	139	244	419	517	558	561	509	348	164	72	
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SD	55.97	53.23	64.50	61.94	40.04	44.97	38.19	37.47	42.19	62.01	76.22	47.69	
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****SPL 30YR SUMMATION (1951 -1980)****

MEAN	46	52	132	246	418	507	549	554	505	334	146	58	
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SD	46.72	45.42	58.47	48.52	40.85	47.46	36.33	36.99	43.17	58.48	62.44	41.79	
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A W S CLIMATIC BRIEF DEC 91	STATION NAME: MACDILL AFB/TAMPA FL												FIELD ELEV: 14 FT	
	LATITUDE/LONGITUDE: 27 51 N 082 31 W												STATION MSC: 747880	
	BOURLY OBS POR: AUG 80 - JUL 90												CALL SIGN: KMCF	
	SUMMARY OF DAY POR: MAY 41-JUL 90												SUPERSEDES: NOV 85	
	HOURS SUMMARIZED: 0000 - 2300 LST													
	LST TO UTC: +05													
MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
EXTRM MAX TEMP (F)	87	86	90	93	96	100	99	97	97	94	90	89	100	49
MEAN MAX TEMP (F)	70	71	76	81	86	89	90	90	89	84	77	72	81	49
MEAN TEMP (F)	61	63	68	73	78	82	83	83	82	76	69	63	73	49
MEAN MIN TEMP (F)	53	54	59	64	70	74	76	76	75	68	60	54	65	49
EXTRM MIN TEMP (F)	25	30	32	41	55	54	67	68	61	43	29	20	20	49
D/W TEMP GE 95 (F)	0	0	0	0	1	1	1	1	1	0	0	0	5	49
D/W TEMP GE 90 (F)	0	0	#		6	15	18	19	14	2	#	0	75	49
D/W TEMP LT 40 (F)	3	1	1	0	0	0	0	0	0	0	1	2	8	49
D/W TEMP LT 33 (F)	1	#	#	0	0	0	0	0	0	0	#	1	2	49
HEATING DEGREE DAYS	163	116	49	6	0	0	0	0	0	3	42	131	510	49
COOLING DEGREE DAYS	56	66	139	244	419	517	558	561	509	348	164	72	3553	49
MEAN DEWPOINT TEMP (F)	49	52	55	58	64	70	71	72	70	64	59	52	61	10
MEAN WET BULB TEMP (F)	54	57	60	63	68	74	74	75	73	68	63	56	65	10
99.95% WCPA (FT)	250	350	400	300	200	150	100	150	200	200	250	200	250	10
MEAN REL HUM 07 LST(%)	79.9	80.6	79.8	78.9	79.3	80.8	78.9	81.1	83.4	80.4	81.8	80.6	80.5	10
MEAN REL HUM 13 LST(%)	57.8	56.3	54.1	51.2	51.8	58.6	59.0	61.6	60.3	55.9	58.6	58.5	57.0	10
MAX 24HR PRECIP (IN)	4.30	3.50	3.12	2.99	7.40	10.74	7.29	6.80	6.03	4.90	5.06	3.19	10.74	49
MAX PRECIP (IN)	10.97	8.73	14.38	5.21	11.24	17.23	19.00	18.09	17.31	11.15	7.00	7.57	67.62	49
MEAN PRECIP (IN)	2.34	2.79	3.35	1.57	2.62	5.70	7.02	7.84	6.06	2.51	1.87	2.23	45.79	49
MIN PRECIP (IN)	#	.12	.05	.00	#	1.01	1.80	1.23	.76	#	#	.09	29.25	49
D/W PRECIP GE .01 (IN)	6	6	7	5	6	12	16	16	12	6	5	6	103	49
D/W PRECIP GT .50 (IN)	1	2	2	1	2	3	4	5	4	1	1	2	28	49
MAX 24HR SNFL (IN)	#	#	0	0	0	0	0	0	0	0	0	#	#	44
MAX SNFL (IN)	#	#	0	0	0	0	0	0	0	0	0	#	#	44
MEAN SNFL (IN)	#	#	0	0	0	0	0	0	0	0	0	#	#	44
D/W SNFL GE .1 (IN)	0	0	0	0	0	0	0	0	0	0	0	0	0	44
D/W SNFL GE 1.5 (IN)	0	0	0	0	0	0	0	0	0	0	0	0	0	44
MAX DLY SNO DEPTH (IN)	0	0	0	0	0	0	0	0	0	0	0	0	0	44
PRVING WND DIR (DEG)	32-34	05-07	05-07	32-34	08-10	08-10	08-10	08-10	05-07	05-07	05-07	05-07	05-07	10
MEAN WND SPD (KTS)	5	6	7	6	6	5	4	5	5	6	6	5	6	10
MAX WND SPD (KTS)	44	65	48	49	52	54	58	55	75	54	65	44	75	44
SKY COVER GT 5/10 (%)	43.7	45.7	42.4	32.8	32.5	45.7	50.5	50.1	44.6	32.6	41.3	47.6	42.4	10
D/W THUNDERSTORMS	1	2	3	3	5	13	19	19	11	3	1	1	81	49
D/W FOG (VSBY LT 7 MI)	14	11	11	7	5	4	2	3	6	7	10	12	92	49
LEGEND: ANN = ANNUAL D/W = MEAN NUMBER OF DAYS WITH & = BASED ON LESS THAN FULL MONTHS ** = INSTANTANEOUS PEAK WINDS * = DATA NOT AVAILABLE POR/YOR = PERIOD/YEARS OF RECORD WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE # = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE \$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION														

PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY															
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
CIG LT 3000 FT AND/OR VSEY LT 3 MI	LST														
	00 - 02	18.2	15.2	9.2	4.1	2.2	1.1	.6	1.6	2.0	4.1	9.6	13.4	6.8	10
	03 - 05	25.3	18.8	13.7	5.6	3.8	2.3	1.1	2.4	3.2	7.3	14.1	18.2	9.6	10
	06 - 08	31.4	24.7	16.3	9.2	5.6	4.0	1.7	3.3	3.3	10.8	17.8	20.2	12.4	10
	09 - 11	24.6	16.9	9.1	4.2	2.3	1.6	.4	2.6	2.3	8.4	12.6	14.0	8.2	10
	12 - 14	13.4	6.0	5.6	1.7	1.2	1.2	1.1	2.3	2.2	3.0	6.9	8.7	4.4	10
	15 - 17	9.4	6.4	5.7	1.7	.8	1.4	2.3	2.6	2.8	2.3	4.8	9.1	4.1	10
	18 - 20	8.8	8.5	6.1	2.6	1.5	2.7	2.4	3.2	2.4	3.0	5.9	8.5	4.6	10
	21 - 23	12.9	11.9	5.7	2.8	1.2	2.0	.1	1.1	1.7	2.8	6.3	11.3	5.0	10
	ALL	18.0	13.6	8.9	4.0	2.3	2.0	1.2	2.4	2.5	5.2	9.7	12.9	6.9	10

CIG LT 1500 FT AND/OR VSEY LT 3 MI	00 - 02	13.9	10.3	5.5	2.4	1.4	.3	.1	1.1	1.6	2.8	6.0	10.5	4.7	10
	03 - 05	21.1	15.0	9.6	4.2	2.5	1.4	.4	1.2	2.2	6.1	9.1	14.8	7.3	10
	06 - 08	26.2	20.2	12.4	6.6	3.7	2.8	.6	2.6	2.7	9.9	13.2	16.6	9.8	10
	09 - 11	19.8	13.7	5.4	2.4	1.2	.7	.1	1.1	1.8	6.2	8.1	11.0	6.0	10
	12 - 14	8.1	3.1	3.1	.8	.4	.4	.3	.8	1.0	1.6	3.1	4.5	2.3	10
	15 - 17	4.9	2.7	2.4	.4	.1	.6	1.1	.8	1.6	.6	1.9	4.7	1.8	10
	18 - 20	6.0	4.5	1.7	.9	.4	1.6	1.0	1.6	1.1	.5	3.1	5.1	2.3	10
	21 - 23	9.7	7.9	2.8	1.4	.5	.7	.1	.3	1.0	1.5	3.9	8.1	3.2	10
	ALL	13.7	9.7	5.3	2.4	1.3	1.1	.5	1.2	1.6	3.7	6.1	9.4	4.6	10

CIG LT 1000 FT AND/OR VSEY LT 2 MI	00 - 02	11.5	6.9	3.7	1.0	.9	.2	.0	.3	1.0	2.0	3.8	8.3	3.3	10
	03 - 05	17.1	11.6	5.9	2.0	2.0	1.1	.0	.8	1.1	4.6	7.2	12.7	5.5	10
	06 - 08	21.7	15.7	7.5	3.3	1.8	1.4	.2	.6	1.7	8.2	11.3	13.1	7.2	10
	09 - 11	15.4	9.9	3.3	1.1	.2	.0	.0	.6	1.3	4.0	5.3	8.3	4.1	10
	12 - 14	5.5	2.0	1.0	.7	.3	.1	.1	.5	.2	.9	1.4	3.2	1.3	10
	15 - 17	3.8	1.5	.8	.2	.0	.2	.3	.6	1.1	.1	1.1	3.0	1.1	10
	18 - 20	4.6	2.1	.8	.1	.3	1.0	.3	.6	.2	.3	1.3	2.8	1.2	10
	21 - 23	8.2	4.8	1.1	.3	.5	.7	.1	.2	.3	.4	1.3	6.2	2.0	10
	ALL	11.0	6.8	3.0	1.1	.8	.6	.1	.6	.9	2.6	4.1	7.2	3.2	10

CIG LT 200 FT AND/OR VSEY LT 1/2 MI	00 - 02	4.3	1.7	1.2	.1	.0	.0	.0	.0	.0	.0	1.0	1.8	.8	10
	03 - 05	6.8	2.6	1.6	.3	.0	.0	.0	.0	.0	.3	1.9	3.5	1.4	10
	06 - 08	9.1	3.2	2.4	.2	.0	.0	.0	.0	.0	.4	2.4	3.8	1.8	10
	09 - 11	4.0	1.4	.2	.0	.0	.0	.0	.1	.0	.1	.7	1.0	.6	10
	12 - 14	.1	.0	.1	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	10
	15 - 17	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.3	.0	10
	18 - 20	.1	.2	.0	.0	.0	.1	.0	.0	.0	.0	.1	.3	.1	10
	21 - 23	1.3	.8	.3	.0	.0	.0	.0	.0	.0	.0	.3	1.7	.4	10
	ALL	3.2	1.2	.7	.1	.0	.0	.0	.0	.0	.1	.8	1.6	.7	10

HURRICANES/TROPICAL STORMS OBSERVED FOR THE PERIOD : 1900 - 1986

EN/TS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
60NM	0/0	0/0	0/0	0/0	0/0	1/4	0/2	5/4	4/3	6/3	1/0	0/0	17/16
120NM	0/0	0/0	0/0	0/0	0/1	3/5	3/5	12/15	9/9	9/9	1/0	0/0	37/44
240NM	0/0	0/1	0/0	0/0	1/4	6/18	5/12	19/22	19/33	20/26	2/1	0/0	72/117

REMARKS : @

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